Service
Service
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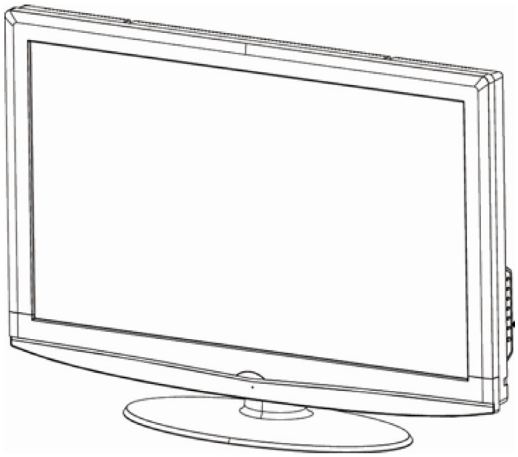

Service Manual

Horizontal Frequency
31~60 KHz

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SAFETY NOTICE

ANY PERSON ATTEMPTING TO SERVICE THIS CHASSIS MUST FAMILIARIZE HIMSELF WITH THE CHASSIS AND BE AWARE OF THE NECESSARY SAFETY PRECAUTIONS TO BE USED WHEN SERVICING ELECTRONIC EQUIPMENT CONTAINING HIGH VOLTAGES.

CAUTION: USE A SEPARATE ISOLATION TRANSFOMER FOR THIS UNIT WHEN SERVICING

Important Safety Notice

Proper service and repair is important to the safe, reliable operation of all AOC Company Equipment. The service procedures recommended by AOC and described in this service manual are effective methods of performing service operations. Some of these service operations require the use of tools specially designed for the purpose. The special tools should be used when and as recommended.

It is important to note that this manual contains various CAUTIONS and NOTICES which should be carefully read in order to minimize the risk of personal injury to service personnel. The possibility exists that improper service methods may damage the equipment. It is also important to understand that these CAUTIONS and NOTICES ARE NOT EXHAUSTIVE. AOC could not possibly know, evaluate and advise the service trade of all conceivable ways in which service might be done or of the possible hazardous consequences of each way. Consequently, AOC has not undertaken any such broad evaluation. Accordingly, a servicer who uses a service procedure or tool which is not recommended by AOC must first satisfy himself thoroughly that neither his safety nor the safe operation of the equipment will be jeopardized by the service method selected.
Hereafter throughout this manual, AOC Company will be referred to as AOC.

WARNING
Use of substitute replacement parts, which do not have the same, specified safety characteristics might create shock, fire, or other hazards.

Under no circumstances should the original design be modified or altered without written permission from AOC. AOC assumes no liability, express or implied, arising out of any unauthorized modification of design.
Servicer assumes all liability.

FOR PRODUCTS CONTAINING LASER:
DANGER-Invisible laser radiations when open AVOID DIRECT EXPOSURE TO BEAM.
CAUTION-Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
CAUTION -The use of optical instruments with this product will increase eye hazard.

TO ENSURE THE CONTINUED RELIABILITY OF THIS PRODUCT, USE ONLY ORIGINAL MANUFACTURER'S REPLACEMENT PARTS, WHICH ARE LISTED WITH THEIR PART NUMBERS IN THE PARTS LIST SECTION OF THIS SERVICE MANUAL.
Take care during handling the LCD module with backlight unit
-Must mount the module using mounting holes arranged in four corners.
-Do not press on the panel, edge of the frame strongly or electric shock as this will result in damage to the screen.
-Do not scratch or press on the panel with any sharp objects, such as pencil or pen as this may result in damage to the panel.
-Protect the module from the ESD as it may damage the electronic circuit (C-MOS).
-Make certain that treatment person’s body is grounded through wristband.
-Do not leave the module in high temperature and in areas of high humidity for a long time.
-Avoid contact with water as it may a short circuit within the module.
-If the surface of panel becomes dirty, please wipe it off with a soft material. (Cleaning with a dirty or rough cloth may damage the panel.)

Revision List

Version	Release Date	Revision Instructions	TPV Model
A00	Feb.-17-2009	Initial Release	E32RMZNKWJW2N

1. General Specification

- 32" LCD TV (31.5" viewable) Viewable image size: diagonal 800 mm

Television System: NTSC standard ATSC standard (8-VSB, Clear-QAM)	**HDMI Terminals:** HDMI INPUT: Rear HDMI x2 HDCP compliant E-EDID compliant Supported scan rates: 1080i, 720p, 480p, 480i
Channel Coverage: VHF: 2 through 13 UHF: 14 through 69 Cable TV: Mild band (A-8 through A-1, A through I) Super band (J through W) Hyper band (AA through ZZ, AAA, BBB) Ultra band (65 through 94, 100 through 125)	**VGA Terminals:** VGA INPUT: Rear VGA (D-SUB 15 Pin) Input x1 E-EDID compliant Supported scan rates: 640X480 /60Hz/72Hz/75Hz 720X400 /70Hz 800x600 /56Hz /60Hz /72Hz /75Hz 1024X768 /60Hz/70Hz/75Hz 1360X768 /60Hz 1366X768 /60Hz Recommended: 1366X768 /60Hz Audio INPUT: Headphone Mini-jack for stereo (3.5Φ)
Power Source: AC power supply: 100V~240 V, 50/60 Hz	
Power Consumption: ≤ 180 W 1 W in standby mode (power cord plugged in and power OFF)	**Dimensions:** Include Stand: 782.5mm(W) x 558.6mm(H) x 209.0mm(L)
Audio Power: 5 W + 5 W, Internal Speaker	**Weight:** 11.3 kg(With Stand)
Video/Audio Terminals: Rear AV x1: S-Video/Video/Audio Input	**Wall Mounting:** 200x200mm (Wall mount kit is not included)
S-VIDEO INPUT: Y : 1 V(p-p), 75 ohm, negative sync. C : 0.286 V(p-p) (burst signal), 75 ohm **VIDEO/AUDIO INPUT:** VIDEO: 1 V(p-p), 75 ohm, negative sync. AUDIO: 0.5V(rms)	**Supplied Accessories:** 1pcs Power cord 1pcs Remote control (with two size AAA alkaline batteries) 1pcs User manual
Component INPUT: Rear Component x1: Y : 1V(p-p), 75 ohm, including sync. Pr/Cr: ±0.35V(p-p), 75 ohm Pb/Cb: ±0.35V(p-p), 75 ohm AUDIO: 0.5V(rms) Supported resolutions: 1080i, 720p, 480p, 480i	

2. Operating Instructions

2.1 The Use of Remote Control

Power:
Press to power ON/OFF (standby) TV.
Note:
1. TV is never completely power off unless physically unplugged.
2. Press Power Key to turn on TV after the power status LED had changed to red color and stopped flashing.

Video:
Press repeatedly to choose S-Video/Composite source mode

Comp:
Press repeatedly to choose Component source mode

PC/HDMI:
Press repeatedly to choose VGA or HDMI source mode.

TV:
Press to choose TV source mode.

0~9/- number:
Press to enter TV channel number to select channel (press '-' to indicate of choosing the sub-channel).

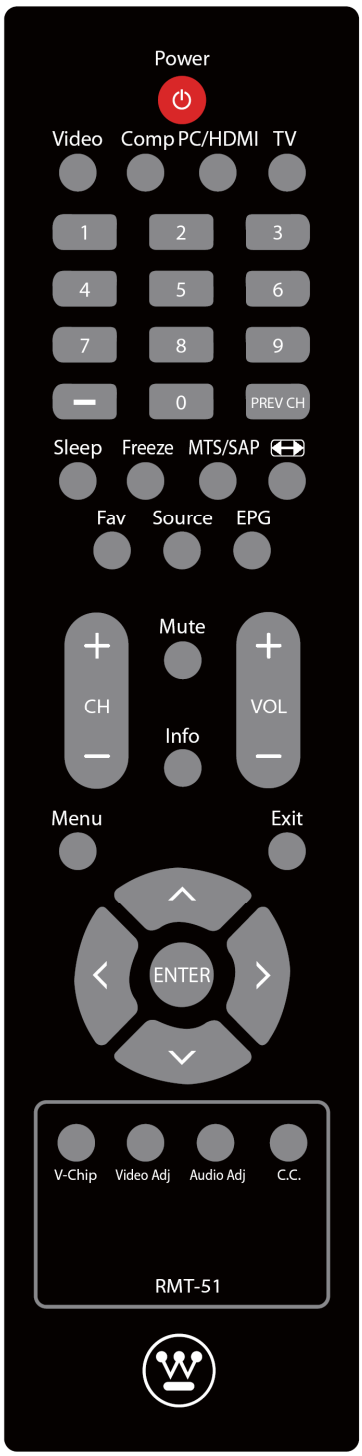
Sleep:
Press to set sleep timer (off/5 min/ 10 min/15 min/30 min/45 min/60 min/90 min/120 min/180 min/240 min) for TV to switch to standby mode automatically.

Freeze:
Press to freeze the displayed picture

CH+/CH-:
Press + or – to browse through the TV channels.

Menu:
Press to open or exit menu.

Direction keys and ENTER:
Press to adjust the various function items on the menu.



PREV CH:
Press to display the previous TV channel.

MTS/SAP:
Press to activate the NTSC TV sounds, such as: Stereo, SAP or Mono tone, and languages of DTV.

Press to choose the display aspect as: Standard, Fill and Overscan mode.

Source:
Press repeatedly to choose the various input sources.

EPG:
This function is not support.

Mute:
Press to set TVsound mute ON/OFF

Info:
Press to show the information about the input source, TV channel, display resolution.

VOL- / VOL+:
Press + or - to adjust the volume.

Exit:
Press to exit menu or OSD.

V-Chip:
Press to lock / unlock Parental Control temporarily. (After setting the restricted table of MPAA or TV Rating.)

Video Adj:
Press to choose the Brightness or Contrast adjustment.

Audio Adj:
Press to switch the ATSC multi-channel TV sounds.

C. C.:
Press repeatedly to change the closed caption type as CC ON/CC OFF/CC ON WHEN MUTE.

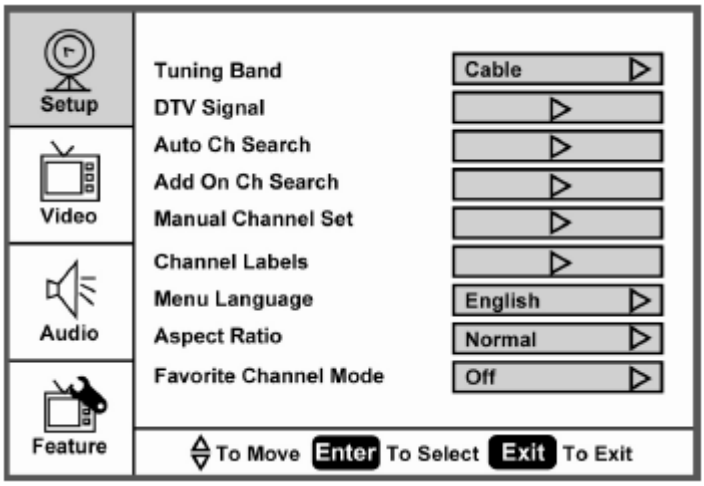
2.2 To Use the Menus

1. Press the **Menu** button to display the main menu
2. Use the **cursor Up**/**Down** to select a menu item.
3. Use the **cursor Left**/**Right** to enter a submenu.
4. Press the **ENTER** button to enable/disable the function.
5. Press the **Menu** or **Exit** button to exit the menu.

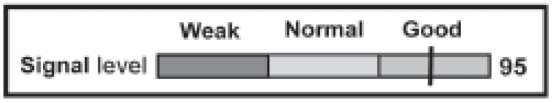
Press the Menu button to enter the main OSD (On Screen Display). Adjust the items including **Setup menu**, **Video menu**, **Audio menu** and **Feature menu**. However, some function items in the menus may only be enabled in the particular source modes.

SETUP MENU

The Setup menu in TV mode shows as below. In others source modes, the Setup menu only shows **Menu Language** and **Aspect Ratio** items.



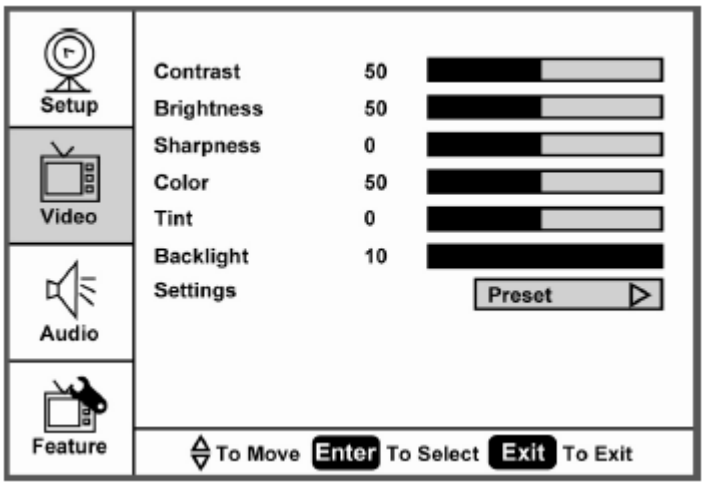
1. **Tuning Band**: Select TV source signal from the Air (antenna) or Cable (CATV).
2. **DTV Signal**: Show the intensity of the received DTV signal.



3. **Auto Ch Search**: Automatically scan all NTSC / ATSC TV channels and then store in the channel table. In channel scan process, the OSD can display the number of channels which had been found.
4. **Add on Ch search:** Add channels which are new found.
5. **Manual Channel Set**: Show the channel setup table. User can choose to display the ATSC or NTSC TV channels and then edit the channel (Viewable or Not Viewable by pressing Enter button). User won't be able to view the channel that has been set to Not Viewable when toggling through channels. However, the channels are still accessible when user enters the channel number.
6. **Channel Labels**: Show the NTSC / ATSC TV channel label menu for user modifying channel labels specifically.
7. **Menu Language**: Select the menu display language. (English/Espanol/Francais)
8. **Aspect Ratio**: Select the display aspect ratio. (Standard/Fill/Overscan)
9. **Favorite Channel Mode**: When favorite channel mode is on, user can edit favorite channel table in favorite channel set option.

VIDEO MENU

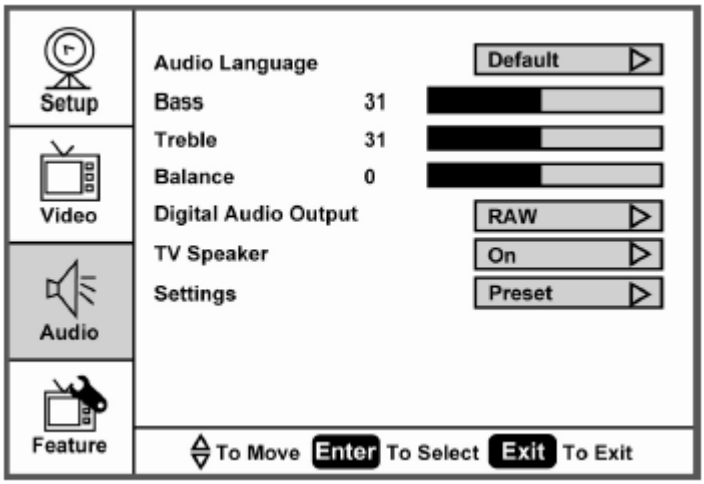
The Video menu in most source modes shows as below. It provides several video adjustment items for user fine tuning the video display. Only in VGA source modes, the Video menu simply provides **Contrast**, **Brightness**, **Back light** and **Settings (Preset)** items.



1. **Contrast**: Video contrast adjustment, the tuning range is 0 ~ 100.
2. **Brightness**: Video brightness adjustment, the tuning range is 0 ~ 100.
3. **Sharpness**: Video sharpness adjustment, the tuning range is -50 ~ 50.
4. **Color**: Video color chroma adjustment, the tuning range is 0 ~ 100.
5. **Tint**: Video tint adjustment, the tuning range is R50 ~ G50.
6. **BackLight**: Backlight strength adjustment, the tuning range is 0 ~ 10.
7. **Settings**: Restore the default video settings.

AUDIO MENU

The Audio menu in TV mode shows as below. It provides audio adjustment for user to modify the audio setting. Audio language setting is only available with ATSC TV source, the option is disable under other source modes.



1. **Audio Language**: Change the audio language setting on ATSC TV programs .The number of the supported audio languages depends on the ATSC TV programs.
2. **Bass**: Bass tone adjustment, the tuning range is 0 ~ 63. (The default state is enabled)
3. **Treble**: Treble tone adjustment, the tuning range is 0 ~ 63. (The default state is enabled)

4. **Balance**: Audio balance adjustment, the tuning range is L31 ~ R31.

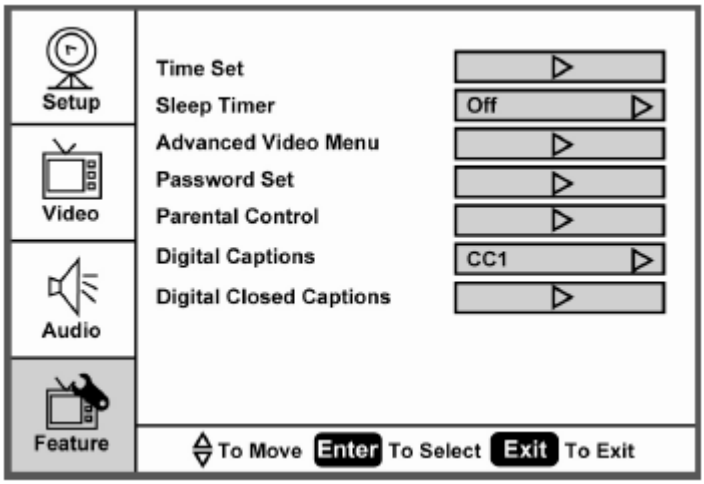
5. **Digital Audio Output**: Digital audio output format selection, user can choose RAW (default) or PCM format or off.

6. **TV Speaker**: Choose to turn on / off the TV internal speaker. The digital audio output signals、earphone output signals will not be turn-off even though the TV speaker is off. The default setting is on.

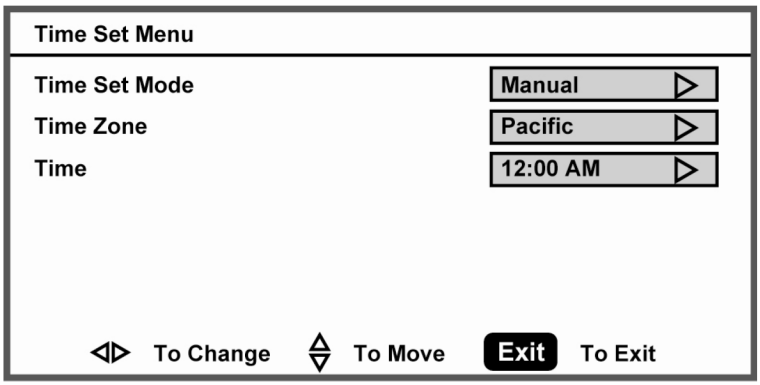
7. **Settings**: Restore the default audio settings.

FEATURE MENU

The Feature menu in TV mode shows as below. It provides certain optional control functions such as time set, sleep timer, advanced video menu, Password Set, parental control (V-chip) and Digital closed caption setting. This menu gives users the most flexibilities to satisfy their generally demands. According to the various requirements in different source modes, certain features should be hidden (disable) on the menu. The details footnotes will be described clearly below.



1. **Time Set**: Set current time. This sub-menu includes Time Set Mode, Time **Zone** and **Time** items. 【Time Set Mode】user can choose Auto or Manual,【Time Zone】item provides user to set current time zone, such as: Pacific, Alaska, Hawaii, Eastern, Central and Mountain. 【Time 】item provides user to set the time clock.



2. **Sleep Timer**: Enable or disable the TV standby timer. User can set the TV standby timer as off / 5 min / 10 min / 15 min/ 30 min / 45 min / 60 min/ 90 min / 120 min / 180min/ 240min. Timer starts to count down after cursor leaving the sub-menu. (At the moment, the item shows 『** min Left』 and the cursor highlights on the Feature icon.)

3. **Advanced Video Menu**: Provide the Noise Reduction、Color Temperature and 3D Y/C. Dynamic Contrast options for enhancing video quality.

【Noise Reduction】gives four NR effect degrees, such as: Low, Mid, High and Off. The default setting is Mid.

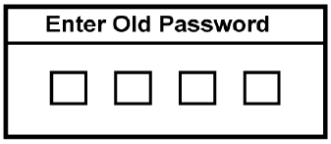
【Colour Temp】gives three color temperature modes as: Normal、Warm and Cool.

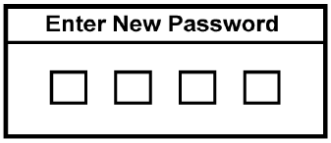
【3D Y/C】provides On / Off switches. The default setting is On.

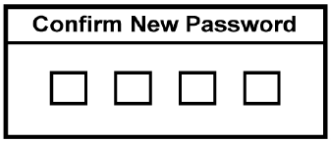
【 **Dynamic Contrast**】user can choose 0n or Off.

【Setting】restores the default advanced video option settings.

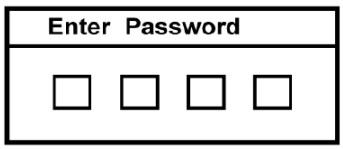
4. **Password Set**: Change the 4-numeral parental control password. Three steps are required for changing the password: Enter Old Password -> Enter New Password -> Confirm New Password. Note: This item is only available in TV, Composite and S-Video source modes. The default password is 『0 0 0 0』.

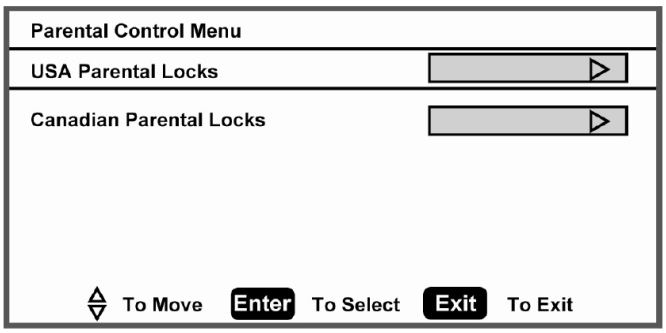


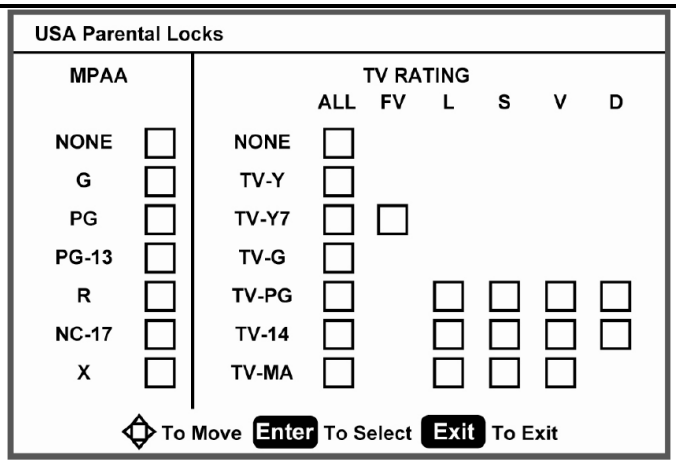




5. **Parental Control**: provide the parental Control (V-chip) function setting. Before entering the Parental Control sub-menu, user has to key in the password first. Then enter the Parental Lock item, User can modify the restricted table about MPAA or TV Rating respectively. While exiting the sub-menu, the parental control function is working. The inhibitive channels or source signals can be un-lock through pressing the V-CHIP key on the remote control and then key in the correct password. Note: This feature is only available in TV, Composite and S-Video source modes. (The default password is: 0 0 0 0.)

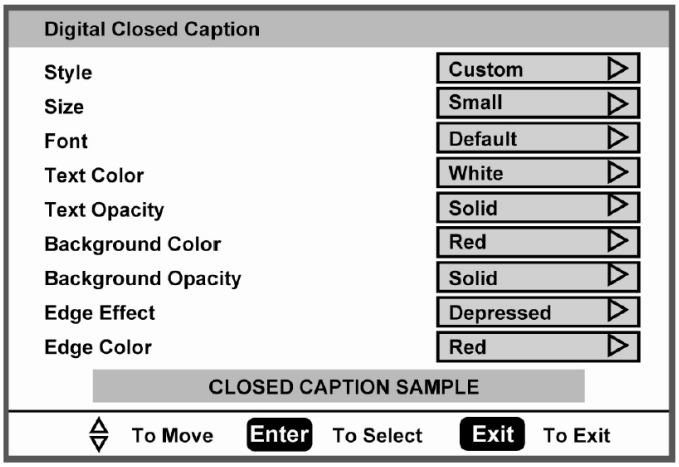






6. **Digital Captions**: Select the close caption options (Service 1-6, Text 1-4 and CC 1-4) in digital TV mode. When select service 1 to service 6, you can modulate parameters in the Digital Close Caption.

7. **Digital Close Caption**: Provide numerous options for setting the digital close caption style. In the sub-menu 【Style】item can be set as Automatic or Custom mode. If Custom mode is selected, user can modify the detail styles described below. The setting result will be shown immediately on the bottom side of the sub-menu OSD. Note: This feature is only available in Digital TV (ATSC) mode.



【Size】: Digital close caption font size, which can be set as Small、Normal or Large.

【Font】: Digital close caption font style, which can be chosen as Default or Font 1 ~ 7.

【Text Color】: Giving Red / Green / Blue/ Yellow / Magenta / Cyan / Black / White Colors.

【Text Opacity 】: Giving Transparent / Translucent / Solid / Flashing modes.

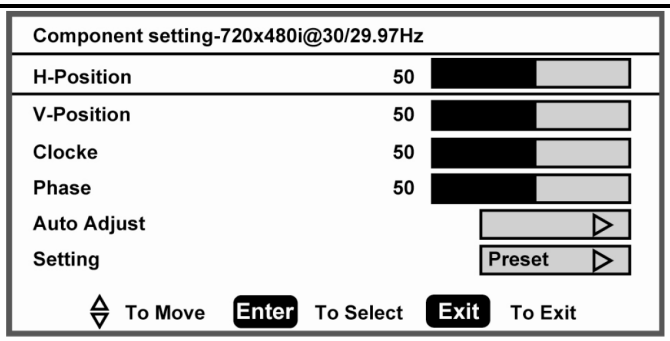
【Background Color】: Giving Red / Green / Blue / Yellow / Magenta / Cyan / Black / White Colors.

【Background Opacity 】: Giving Transparent / Translucent / Solid /Flashing modes.

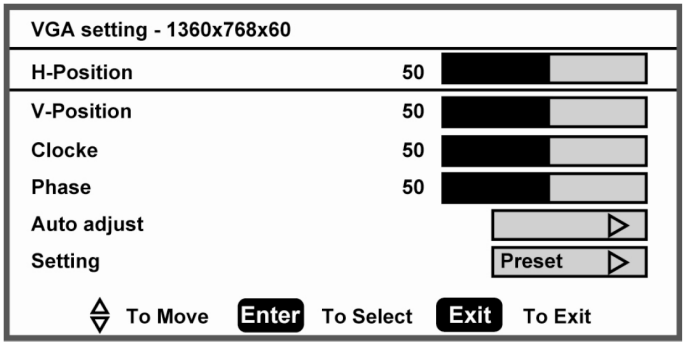
【Edge Effect 】: The text edge effects, which gives None / Raised /Depressed / Uniform / Left Shadow / Right Shadow modes.

【Edge Color】: The colors of text edge effects, which provides Red /Green / Blue / Yellow / Magenta / Cyan / Black / White Colors.

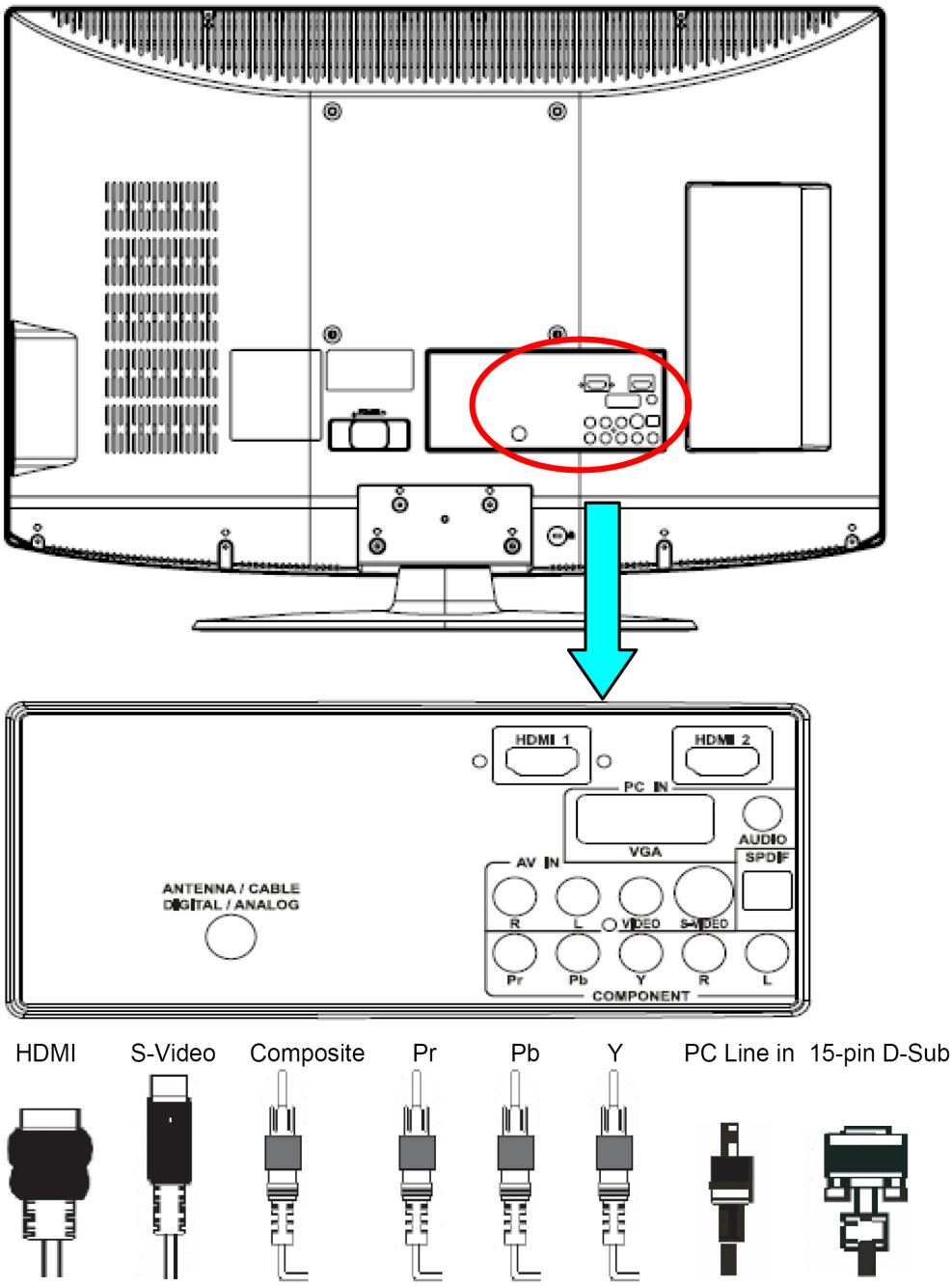
8. **Component Set**: This option only shows and is available in component mode, which provides fine tuning component display, such as:【H-Position】【V-Position】,【Clock】and【Phase】(Auto Adjust function is not supported under Component mode). All these items are giving the tuning range from 0 to 100.【Setting】item provides the default component setting values restoring.



9. **VGA Set**: This option only shows and is available in VGA mode, which provides several items for the VGA display fine tuning, such as : 【H Position】,【V-Position】,【Clock】, 【Phase】, and【Auto Adjust】.All these items giving the tuning range from 0 to 100. 【Setting】item provides the default VGA setting values restoring.



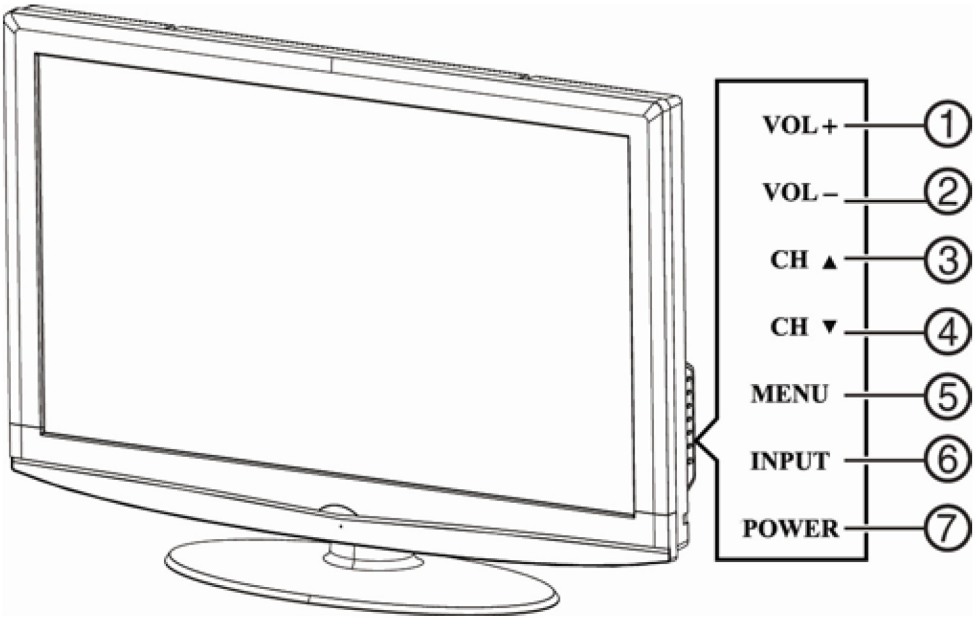
2.3 How to Connect



Once your equipment is connected, use the following procedure to view the input signal:

Press the Source button or direct input buttons on the remote controller to select the relevant source to view. (ex: Press Video button to select “Composite” if you have connected a video recorder to Composite socket.)

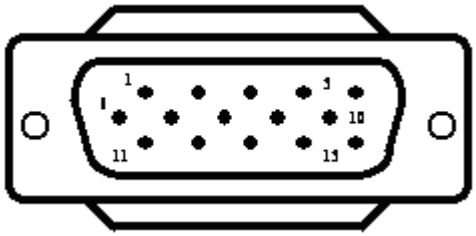
2.4 Front Panel Control Knobs



1.	VOL +	**VOL +:** Press to increase the sound volume level.
2.	VOL -	**VOL - :** Press to decrease the sound volume level.
3.	CH ▲	**CH +:** Press to select the next higher Program number.
4.	CH ▼	**CH - :** Press to select the next lower Program number.
5.	MENU	**Menu key:** Press to open or exit the OSD menu.
6.	INPUT	**Source key:** Press to select the input source.
7.	POWER	**Power key:** Press to turn on / off (standby) the TV set. (Please re-turn on TV after the Power-ON status LED had changed to the Red color and finished flashing.)

3. Input/Output Specification

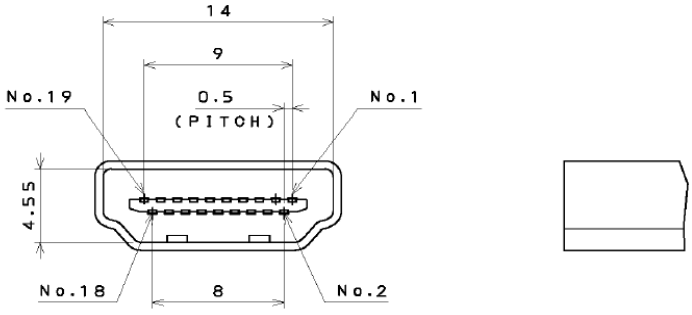
3.1 RGB Signal input



15 - Pin Color Display Signal Cable

Pin No.	Description	Pin No.	Description
1	Red Video	9	Mandatory +5V Supply for PC Bypass
2	Green Video	10	Sync Ground
3	Blue Video	11	SDA(Remote Control)
4	SCL(Remote Control)	12	Bi-directional Data (SDA) for PC Bypass
5	Ground	13	H-Sync.
6	Red Video Ground	14	V-Sync.
7	Green Video Ground	15	Data Clock (SCL) for PC Bypass
8	Blue Video Ground		

3.2 HDMI Digital connector pin assignments



Pin No.	Description	Pin No.	Description
1	TMDS Data2+	2	TMDS Data2 Shield
3	TMDS Data2-	4	TMDS Data1+
5	TMDS Data1 Shield	6	TMDS Data1-
7	TMDS Data0+	8	TMDS Data0 Shield
9	TMDS Data0-	10	TMDS Clock+
11	TMDS Clock Shield	12	TMDS Clock-
13	CEC	14	NC
15	SCL	16	SDA
17	DDC/CEC Ground	18	+5V Power
19	Hot Plug Detect		

3.3 AV/S-Video/Component Video Inputs

AV (Composite Video input)		
Video1		
	System	NTSC
	Amplitude	1.0 V (p-p), negative sync.
	Impedance	75 ohm terminated
S-Video (Y / C input)		
S-Video2		
	System	NTSC
	Y signal amplitude	1.0Vpp (including sync)
	C signal amplitude	0.286Vpp
	Impedance	75 ohm terminated
Component (Y, Pb/Cb, Pr/Cr input)		
Video3		
	System	1080i, 480p, 720p, 480i
	Y signal amplitude	1.0Vpp (including sync)
	Cr, (R-Y) / Cb, (B-Y) Signal amplitude	±0.35Vpp, 75 ohm
	Impedance	75 ohm terminated

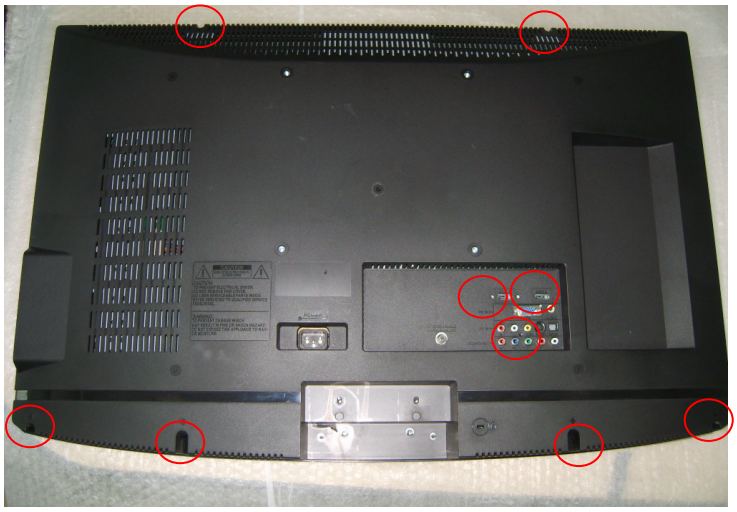
3.4 Compatible Mode Table

VESA MODES							
			Horizontal		**Vertical**		
Mode	**Resolution**	**Total**	**Nominal Frequency (KHz)**	**Sync Polarity**	**Nominal Freq. (Hz)**	**Sync Polarity**	**Nominal Pixel Clock (MHz)**
VGA	640x480@60Hz	800 x 525	31.469	N	59.940	N	25.175
	640x480@72Hz	832 x 520	37.861	N	72.809	N	31.500
	640x480@75Hz	840 x 500	37.5	N	75	N	31.500
	720x400@70Hz	900 x 449	31.469	N	70.087	P	28.322
SVGA	800x600@56Hz	1024 x 625	35.156	P	56.25	P	36.000
	800x600@60Hz	1056 x 628	37.879	P	60.317	P	40.000
	800x600@72Hz	1040 x 666	48.097	P	72.188	P	40.000
	800x600@75Hz	1056 x 625	46.875	P	75	P	49.5
XGA	1024x768@60Hz	1344x806	48.363	N	60.004	N	65.000
	1024x768@70Hz	1328x806	56.476	N	70.069	N	75.000
	1024x768@75Hz	1312x800	60.023	P	75.029	P	78.750
WXGA	1360x768@60Hz	1792X795	47.712	P	60.015	P	85.5

4. Mechanical Instructions

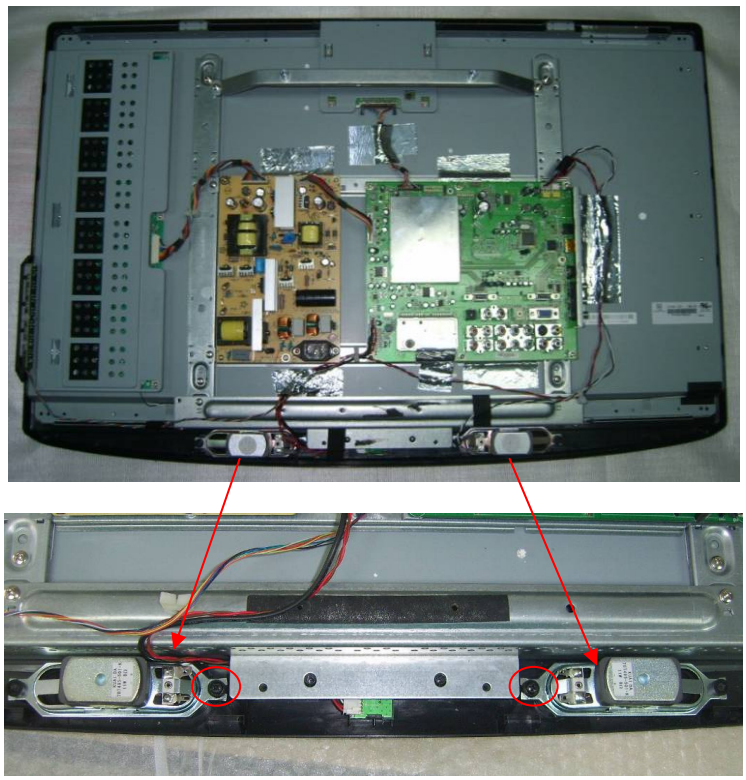
1. Remove the 4 screws to remove the base

2. Remove the 9 screws to remove the rear cover.

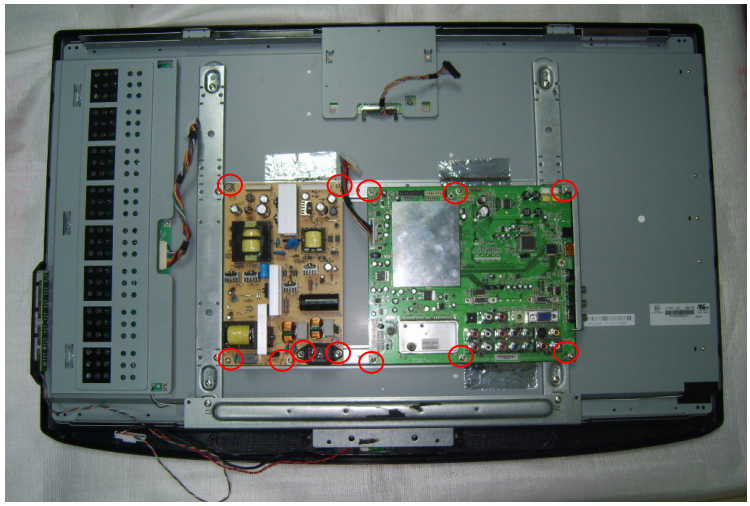


3. Release the connectors.

4. Remove the 2 screws to remove the speakers

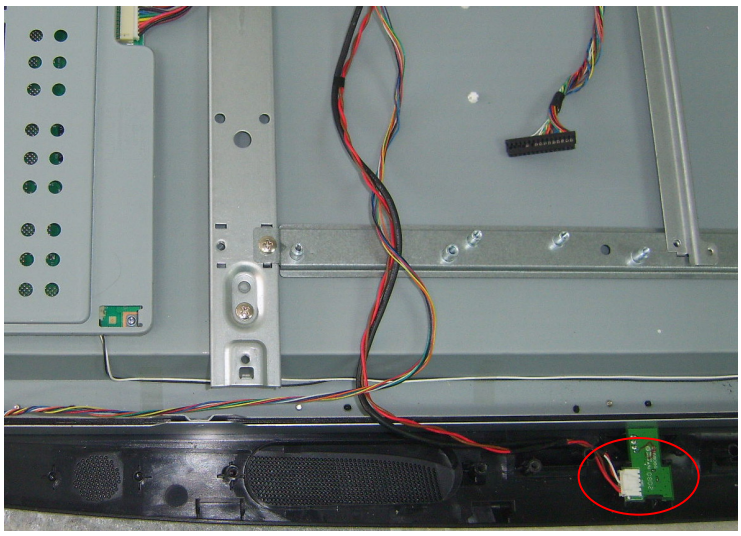


5. Remove the power board and main board



6. Remove the key board

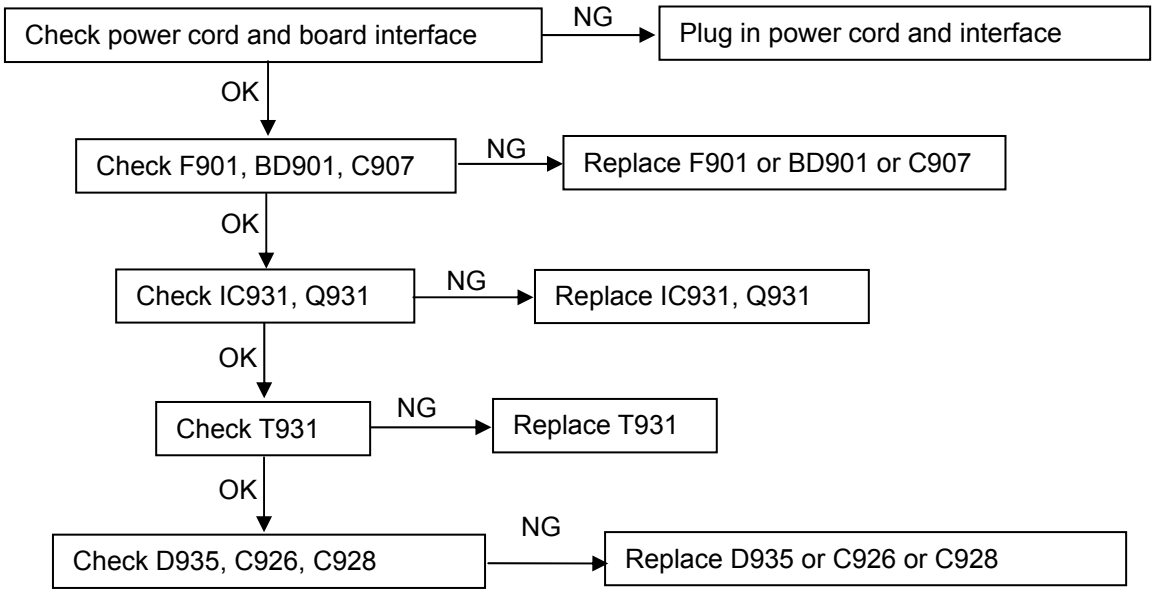
7. Remove the IR board



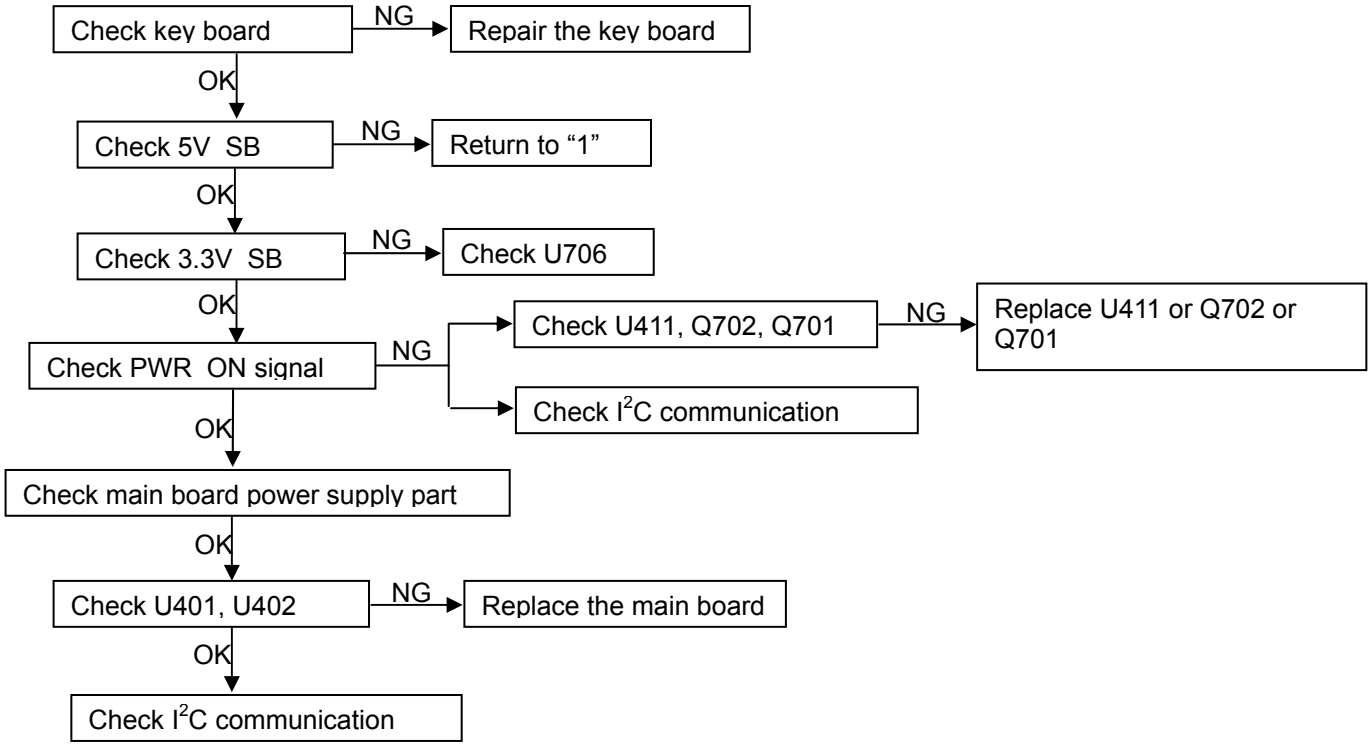
8. Remove the bezel

5. Repair Flow Chart

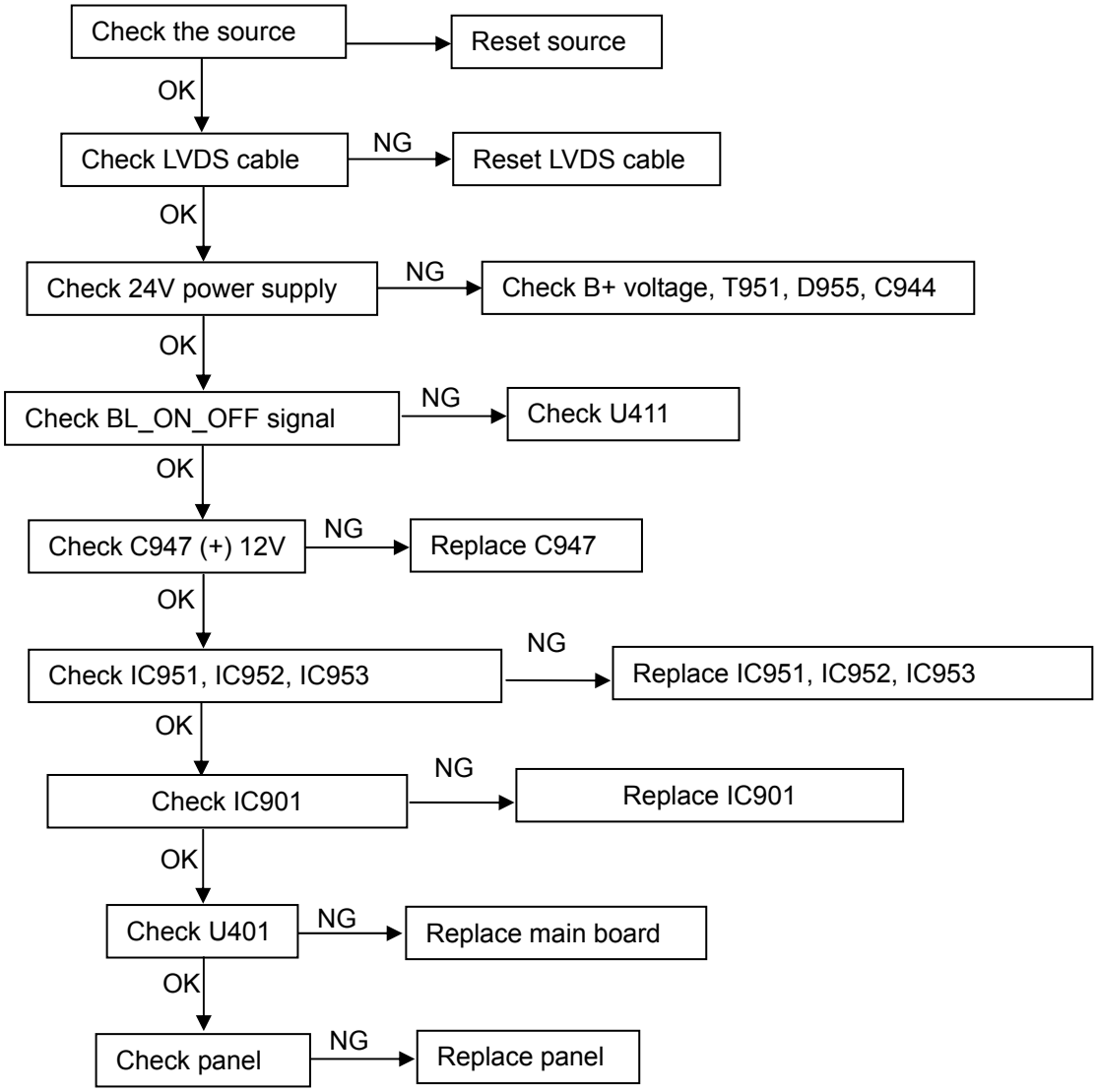
No Power (No LED indicator)



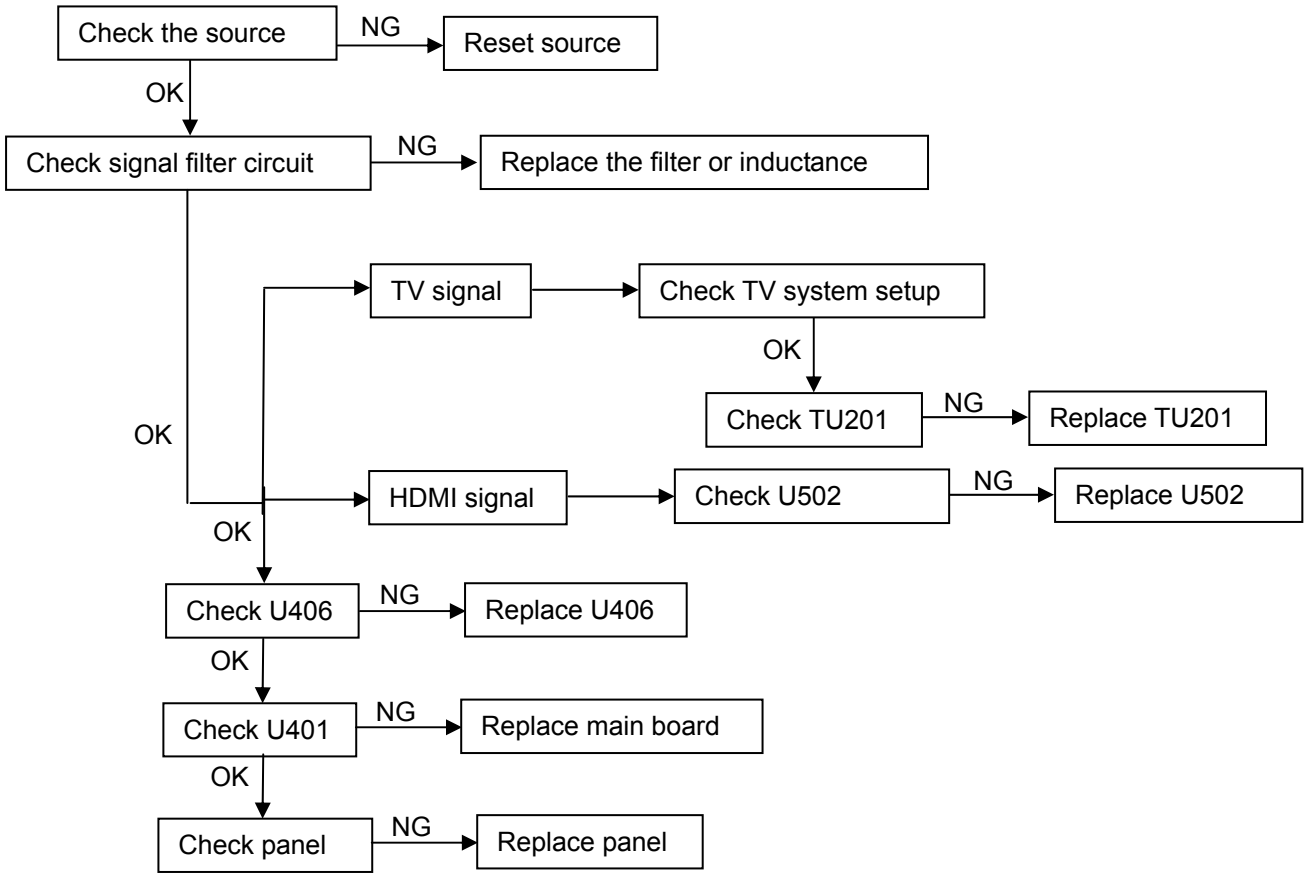
Can not start (No LED indicator)



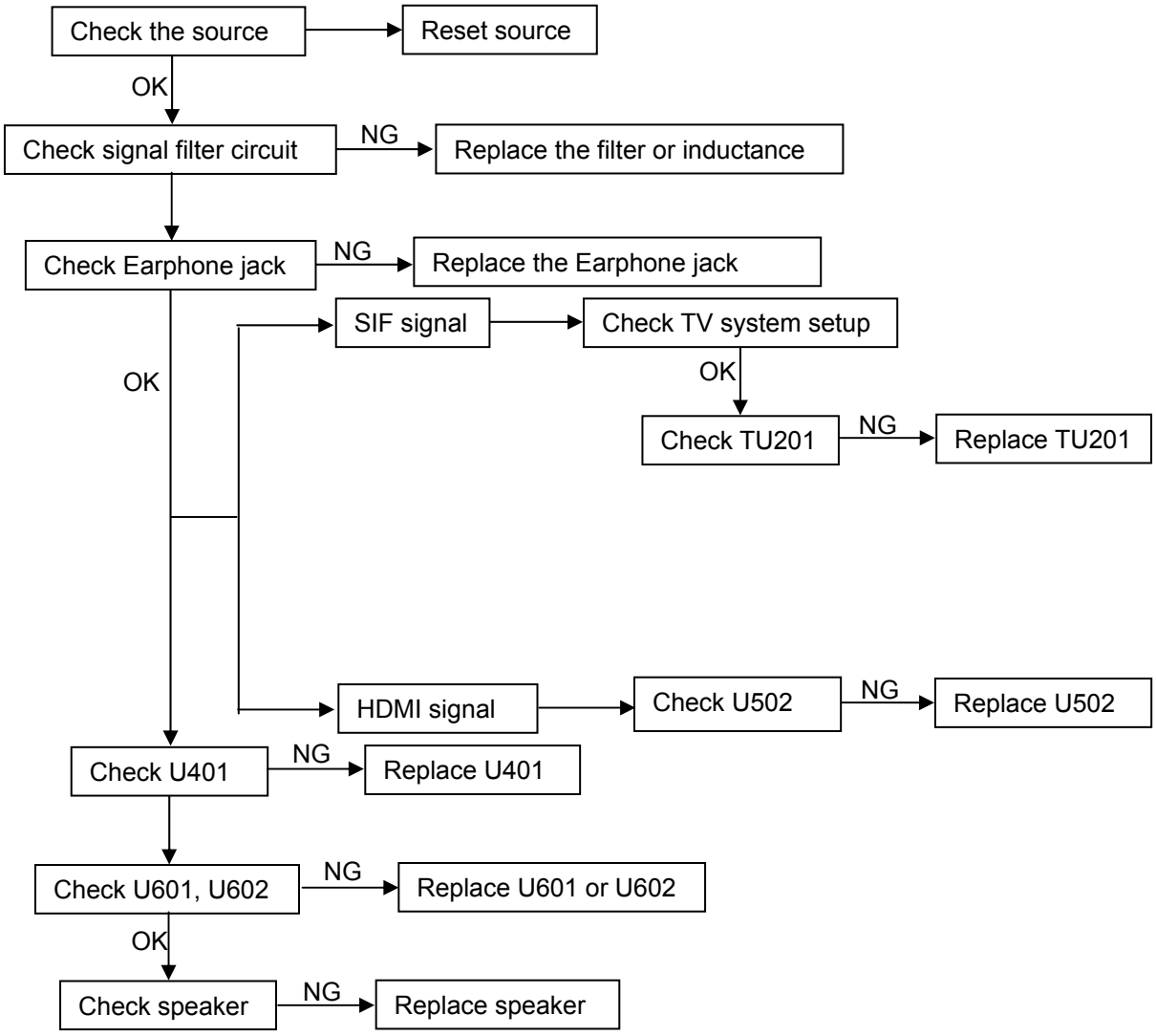
No Display


Check the source
Reset source
OK
Check LVDS cable
NG
Reset LVDS cable
OK
Check 24V power supply
NG
Check B+ voltage, T951, D955, C944
OK
Check BL_ON_OFF signal
NG
Check U411
OK
Check C947 (+) 12V
NG
Replace C947
OK
Check IC951, IC952, IC953
NG
Replace IC951, IC952, IC953
OK
Check IC901
NG
Replace IC901
OK
Check U401
NG
Replace main board
OK
Check panel
NG
Replace panel

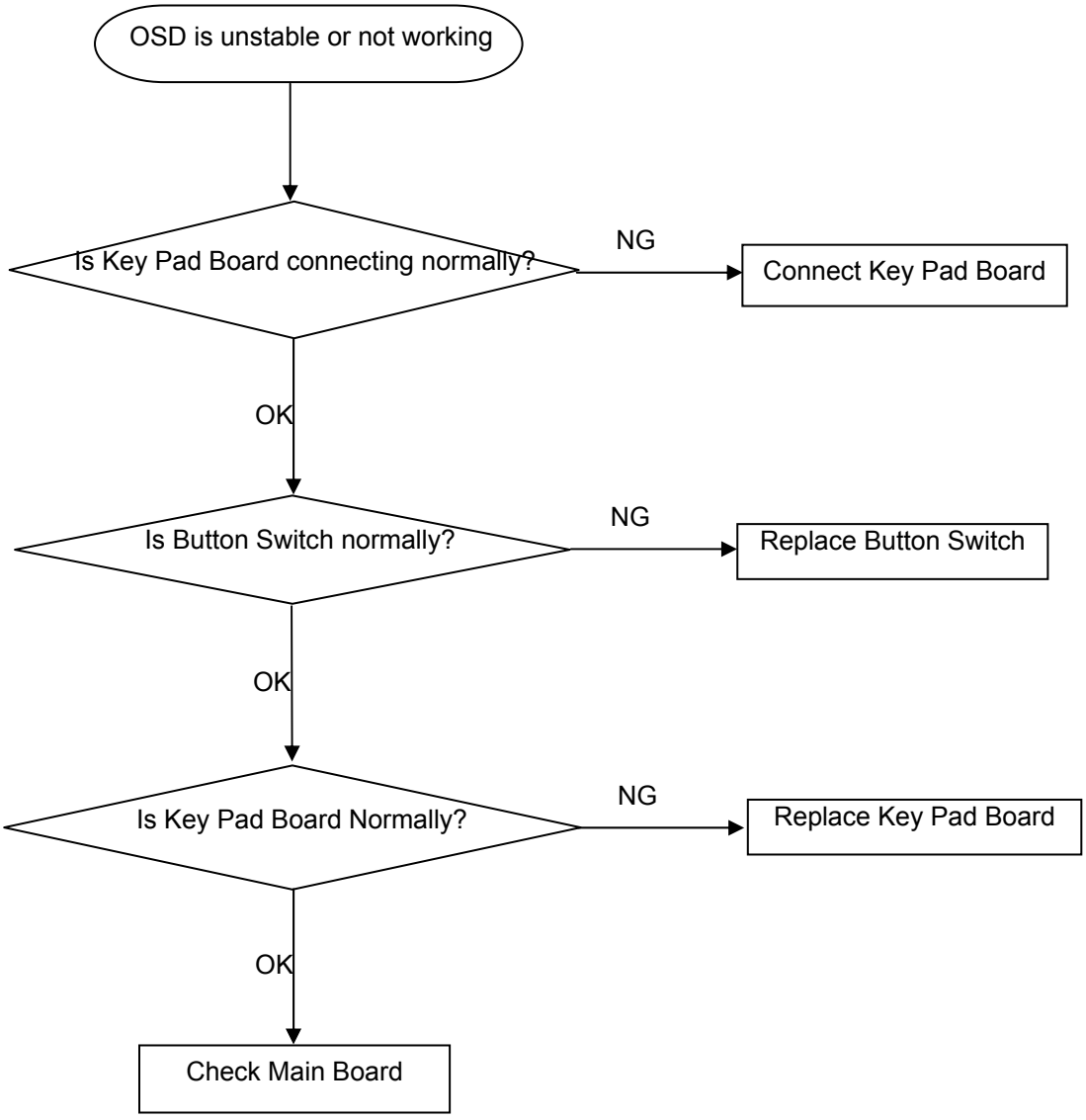
Abnormal Display



No Sound


Check the source
Reset source
OK
Check signal filter circuit
NG
Replace the filter or inductance
Check Earphone jack
NG
Replace the Earphone jack
SIF signal
Check TV system setup
OK
OK
Check TU201
NG
Replace TU201
HDMI signal
Check U502
NG
Replace U502
Check U401
NG
Replace U401
Check U601, U602
NG
Replace U601 or U602
OK
Check speaker
NG
Replace speaker

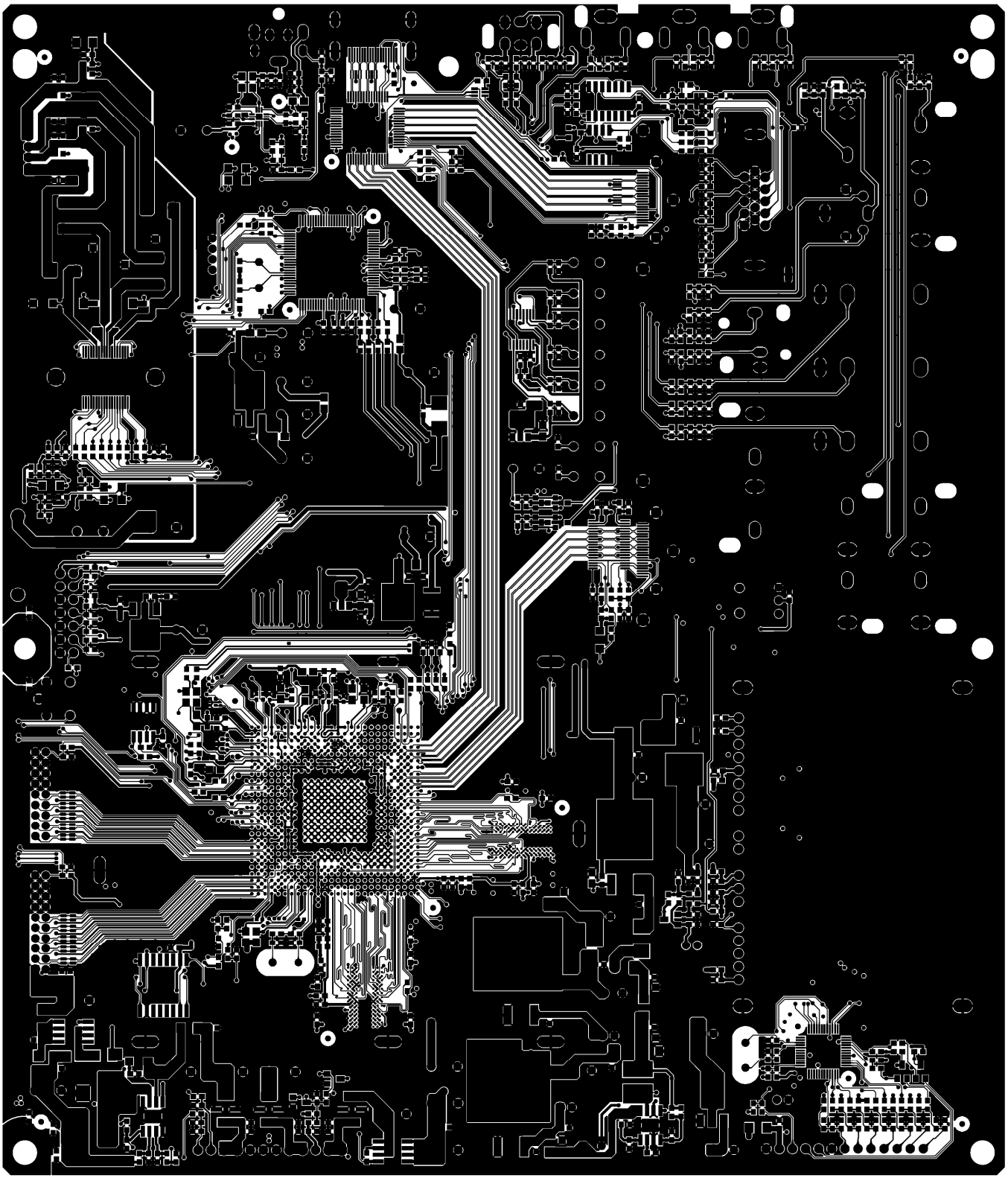
Key Board

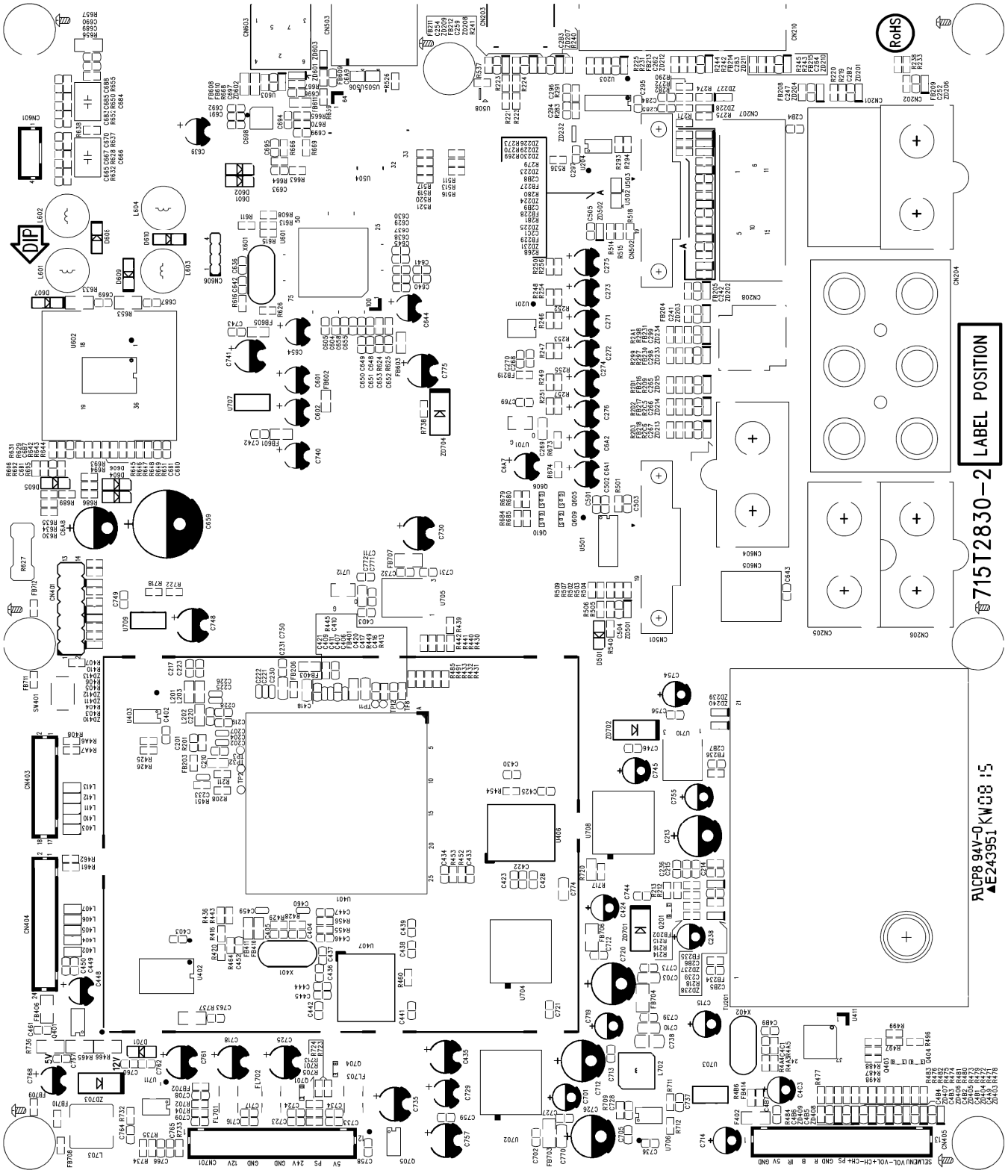

OSD is unstable or not working
Is Key Pad Board connecting normally?
NG
Connect Key Pad Board
OK
Is Button Switch normally?
NG
Replace Button Switch
OK
Is Key Pad Board Normally?
NG
Replace Key Pad Board
OK
Check Main Board

6. PCB Layout

6.1 Main Board

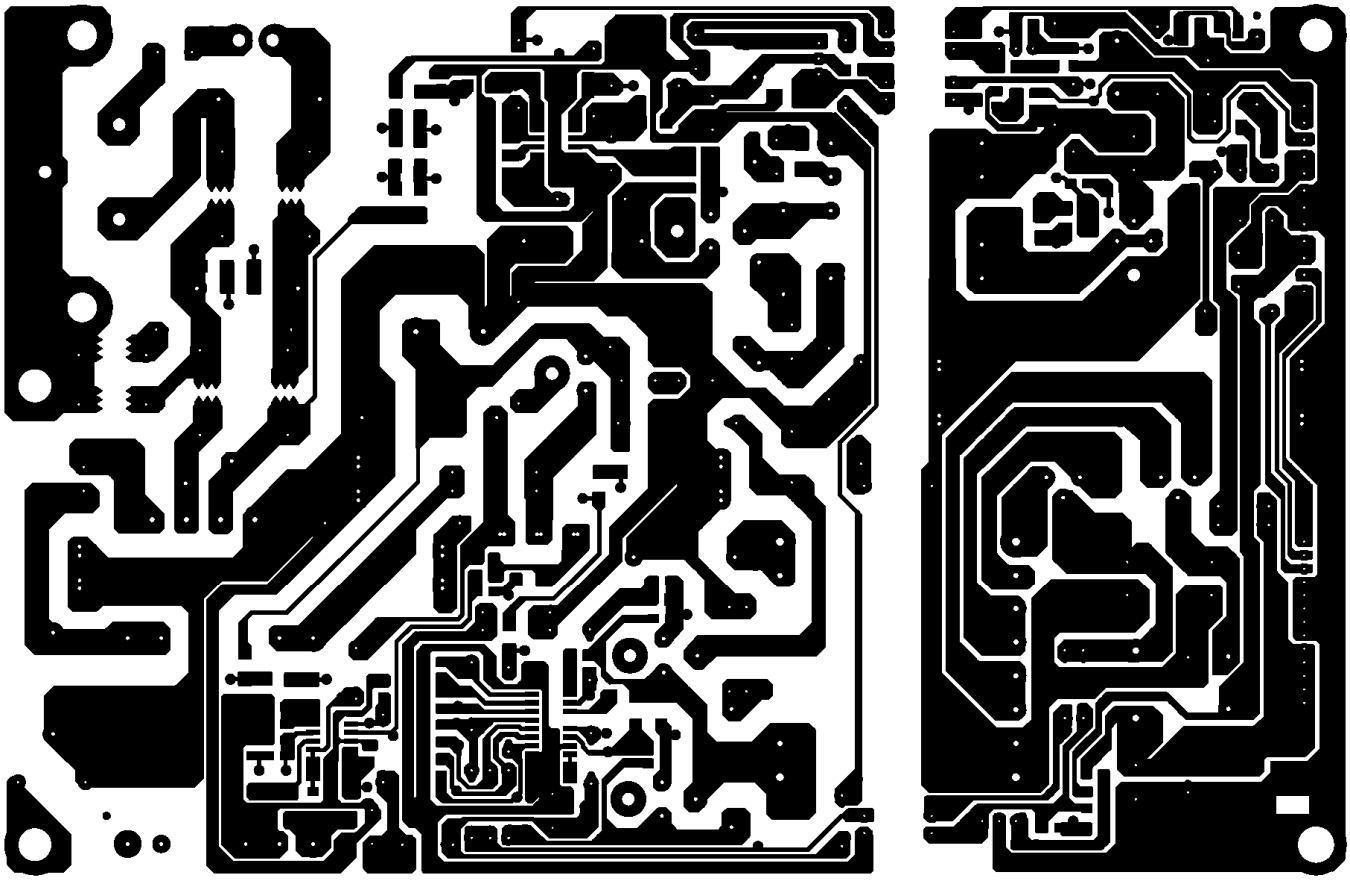
715T2830 2

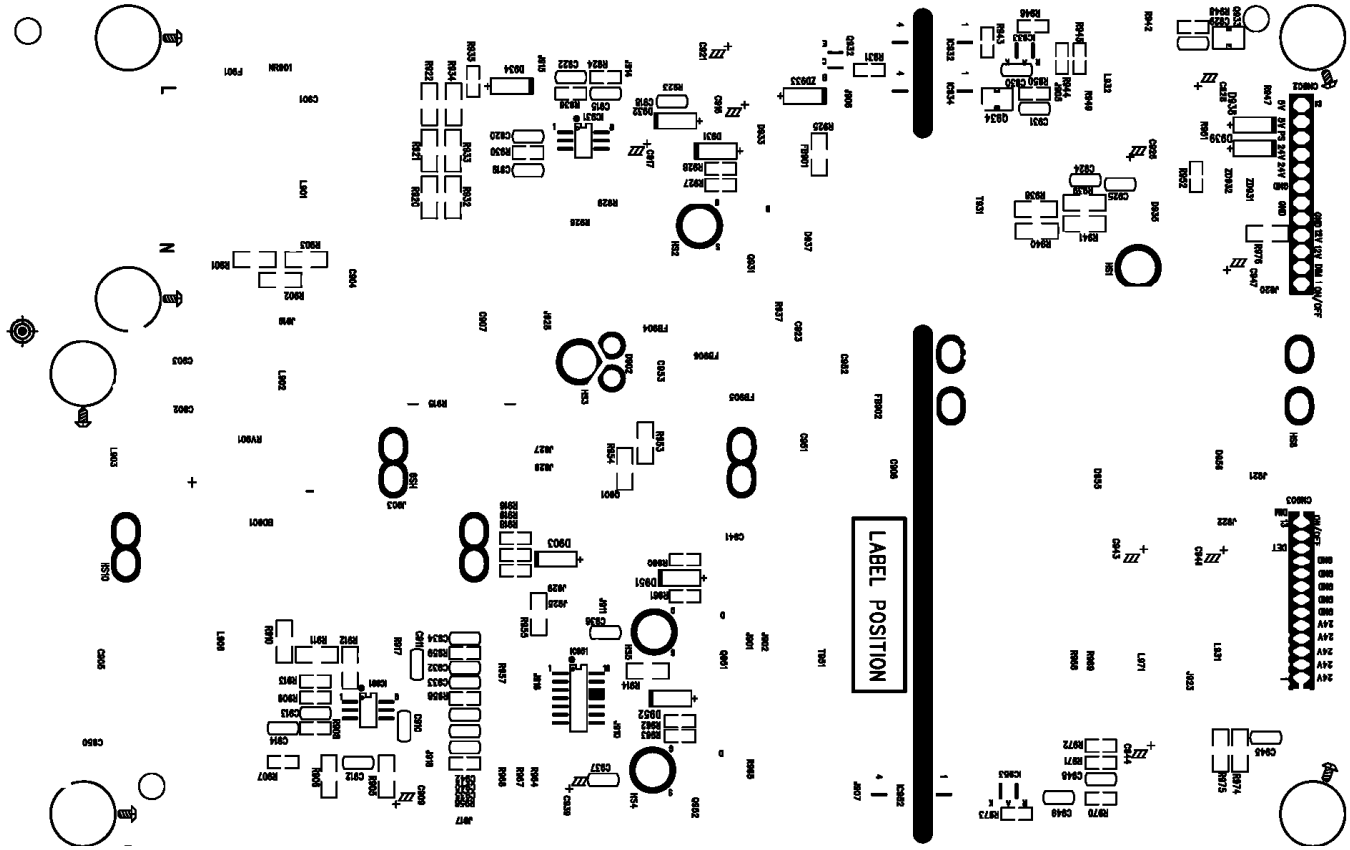


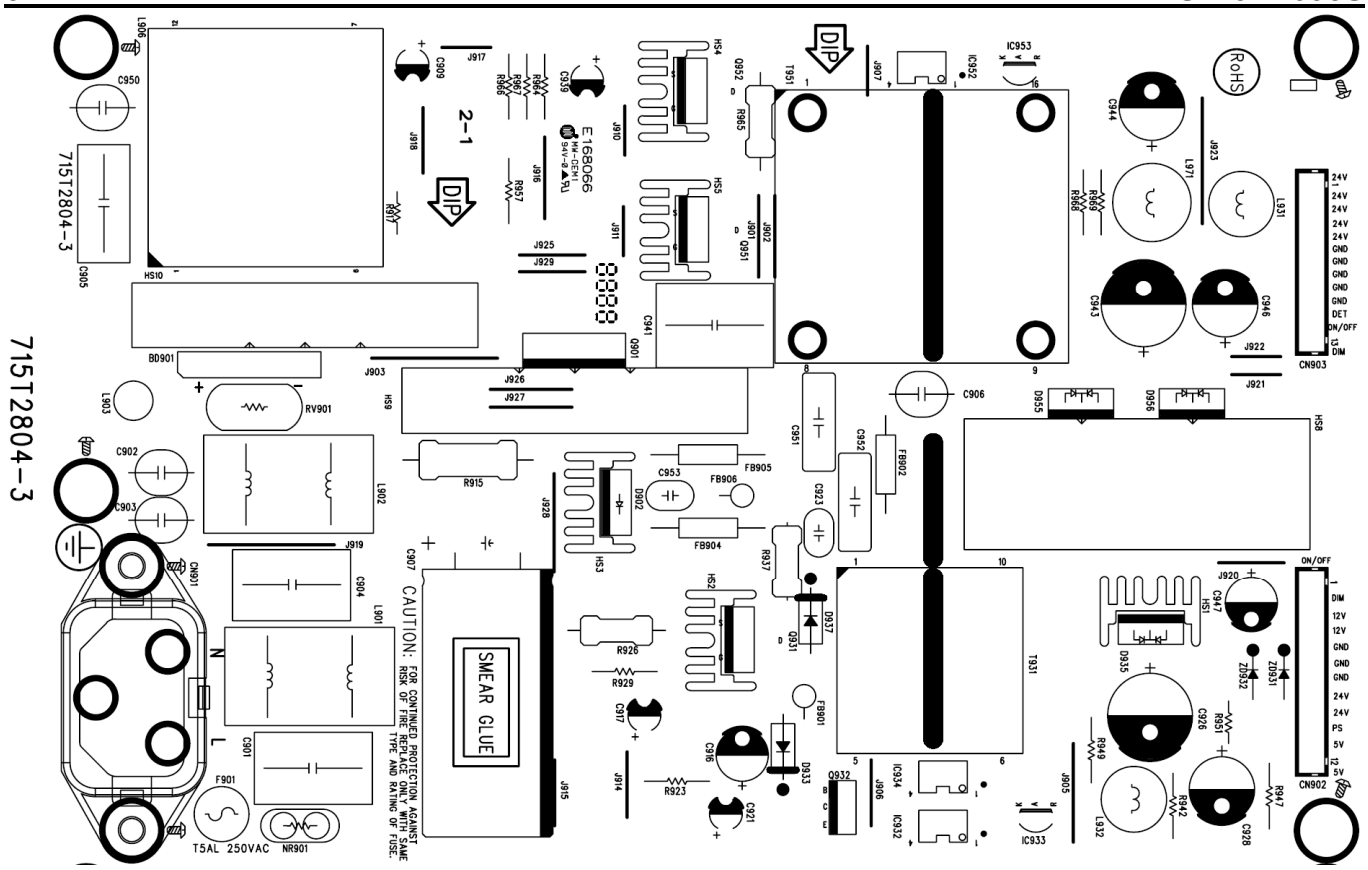

715T2830-2
LABEL POSITION
RoHS
DIP
E243951 KWOB 15
VCP8 94V-0

6.2 Power Board

715T2804 3

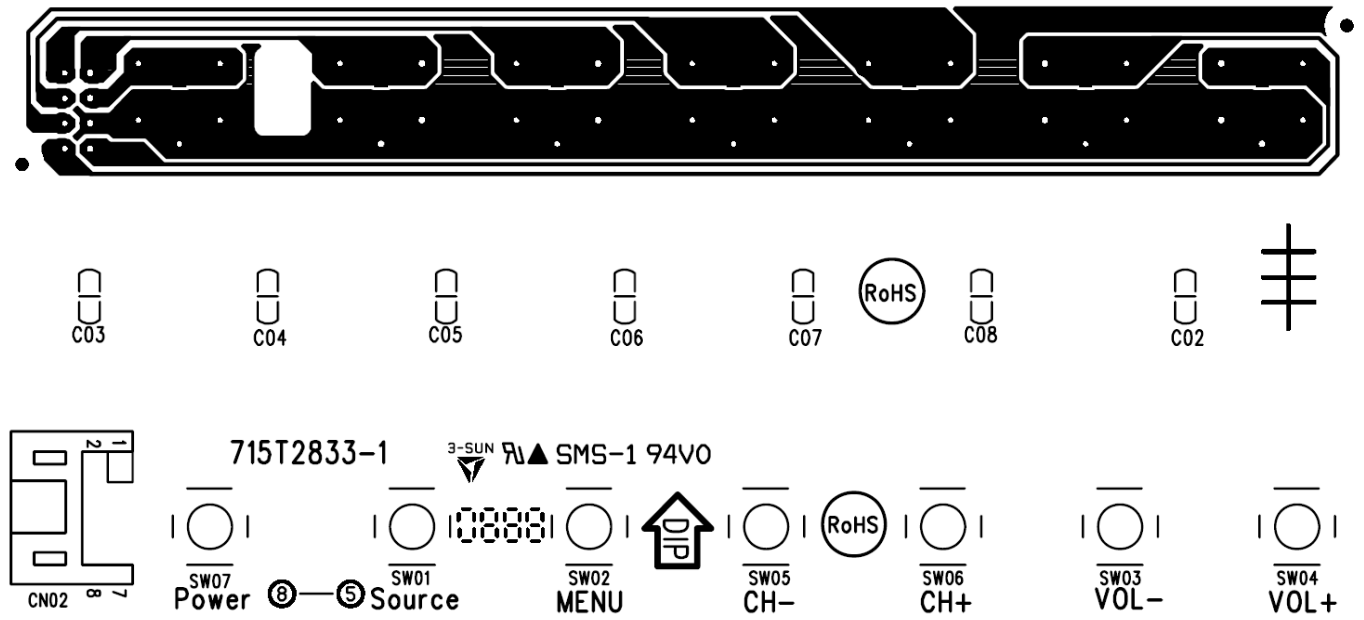





715T2804-3
CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE REPLACE ONLY WITH SAME TYPE AND RATING OF FUSE.
SMEAR GLUE
T5AL 250VAC
DIP
RoHS

6.3 Key Board

715T2833 1



7. White Balance, Luminance Adjustment

Approximately 30 minutes should be allowed for warm up before proceeding white balance adjustment.
Before started adjust white balance, please set the Ca210 Channel to 03 Channel and set it's mode to xyLv mode.

Color Temp.		Cold	Normal	Warm
HDMI MODE	x	276	285	313
	y	278	293	329
	Y	Panel max luminance		

Note: The tolerance of the color coordinates should be less than ± 30.

How to setting the Ca210 channel, you can reference to Ca210 user guide or simple use the "Memory CH" up or down to set the channel to 03 channel, and use the "Mode" key to set the mode to xyLv.
Following is the procedure to do white-balance adjust

Note: We can only the HDMI white balance to cover the white balance of all source modes, this method is meeting to the Zoran 770 software.

HDMI mode:

Ⅰ. In the TV mode adjust volume to zero, press mute key and then press number key 9 → 8 → 7 → 6. It will achieve the factory mode. Select the item of White Balance and press right key to enter it.

Ⅱ.before to adjust the white balance, please press the factory mode OSD of "Reset" to reset all white balance factory setting.

In the White Balance you can adjust 8 items.

1-3 items is RO, GO, BO → R, G, B Bias adjust.

4-6 items is RG, GG, BG → R, G, B Gain adjust.

7 item is Def_contrast_all_mode adjust

8 item is Def_brightness_all_mode adjust

9 item is Colortemp_all_Mode adjust

10 item is color temperature select: Cool, Normal, and Warm.

Ⅲ. Gain adjustment:

A. Adjust Cool color-temperature:

1. Set the pattern generator to pattern 104 or 0 IRE pattern. And adjust the Item 8 to min luminance.
2. Switch the Ca210 to xyLv-mode (with press "MODE" button)
3. Switch the Ca210 channel to Channel 03 (with up or down "MEMORY CH" button)
4. The LCD-indicator on Ca210 will show x =276, y =278, Lv can adjust to max luminance.
5. Use the item 1 and item 3 to Adjust black balance: use 30 IRE(Pattern 115) signal,and adjust the black balance,until the Ca210 show x =276, y =278.
6. Use the item 4 and item 6 to adjust white balance: use 100 IRE (Pattern 105) signal, and adjust the white balance,

until the Ca210 show x =276, y =278.

7. Adjust item 7 to check color temperature is saturation or not: Add by 7 steps and then to adjust the item 4 and item 6 to check the color temperature is saturation or not, until is saturation.

8. Enter the item 10 to select another color temperature to adjust.

B. Adjust Normal color-temperature:

1. Set the pattern generator to pattern 104 or 0 IRE pattern. and adjust the Item 8 Cool color-temperature's item 8 value.

2. Switch the Ca210 to T△uvLv-mode (with press "MODE" button)

3. Switch the Ca210 channel to Channel 03 (with up or down "MEMORY CH" button)

4. The LCD-indicator on Ca210 will show T=9300.

5. Adjust the 9 item: Colortemp_All_Mode_Normal, until Ca210 indicator reached the value T=9300

6. Adjust item 7 to check color temperature is saturation or not: Add by 7 steps and then to adjust the item 4 and item 6 to check the color temperature is saturation or not, until is saturation.

7. Loop the Item 5 and Item 6, until the T=9300 and RG/BG is saturation

8. Enter the 8 item to select another color temperature to adjust.

C. Adjust Warm color-temperature:

1. Set the pattern generator to pattern 104 or 0 IRE pattern. And adjust the Item 8 Cool color-temperature's item 8 value.

2. Switch the Ca210 to T△uvLv-mode (with press "MODE" button)

3. Switch the Ca210 channel to Channel 03 (with up or down "MEMORY CH" button)

4. The LCD-indicator on Ca210 will show T=6500.

5. Adjust the 9 item: Colortemp_All_Mode_warm, until Ca210 indicator reached the value T=6500

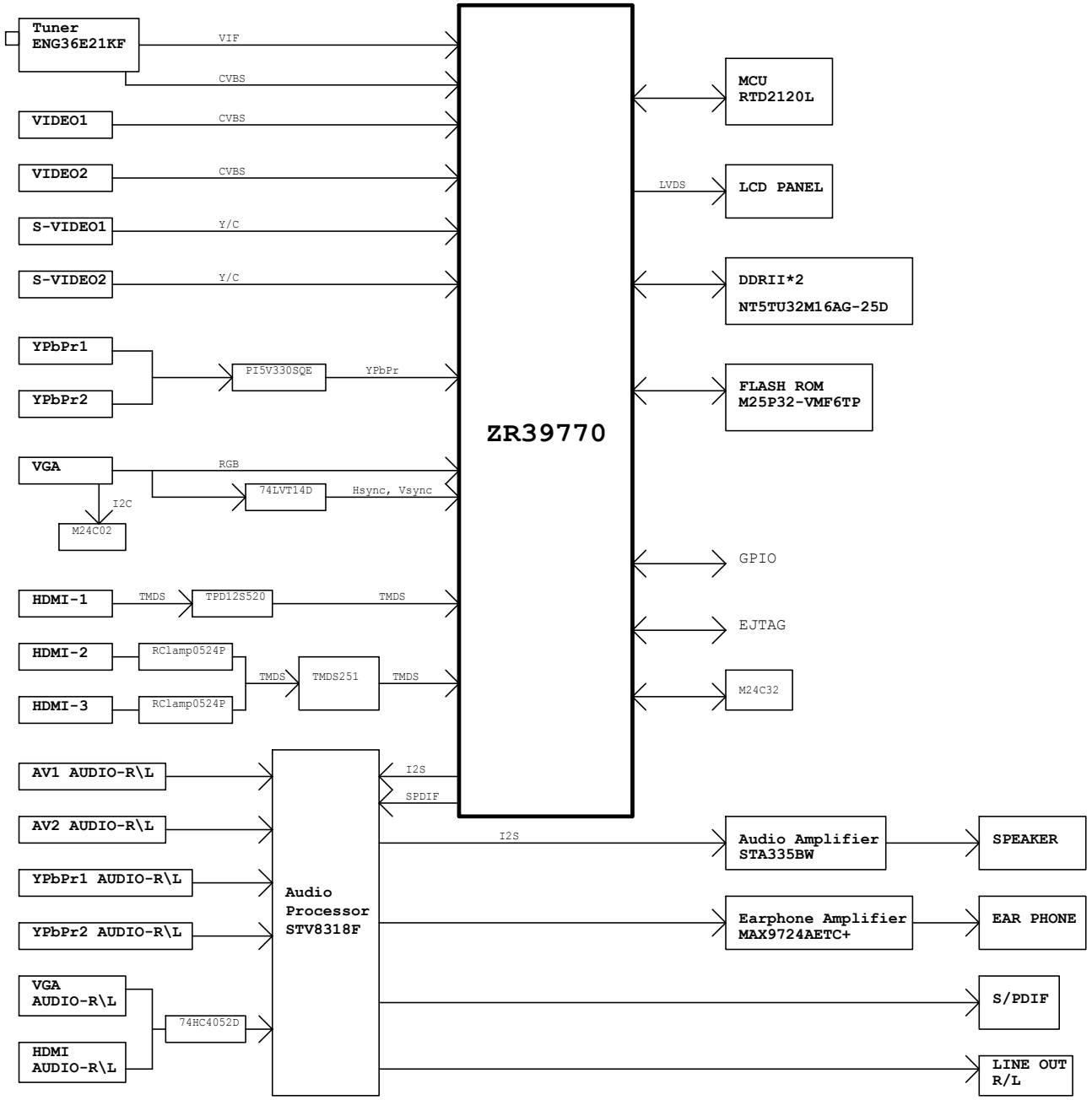
6. Adjust item 7 to check color temperature is saturation or not: Add by 7 steps and then to adjust the item 4 and item 6 to check the color temperature is saturation or not, until is saturation.

7. Loop the Item 5 and Item 6, until the T=6500 and RG/BG is saturation

8. Enter the 8 item to select another color temperature to adjust.

Press "Exit" button on remote control to quit from factory mode.

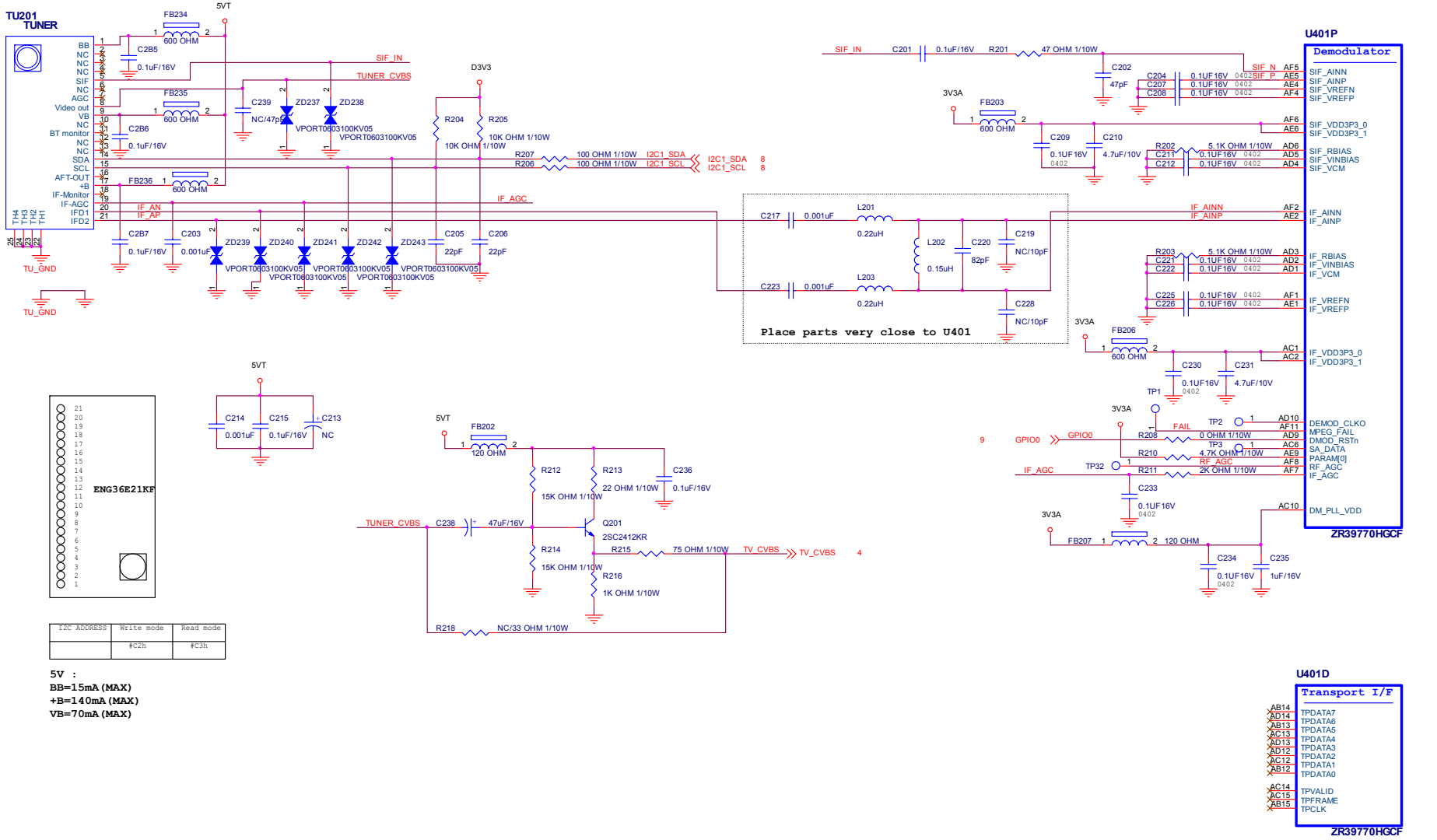
8. Block Diagram



9. Schematic Diagram

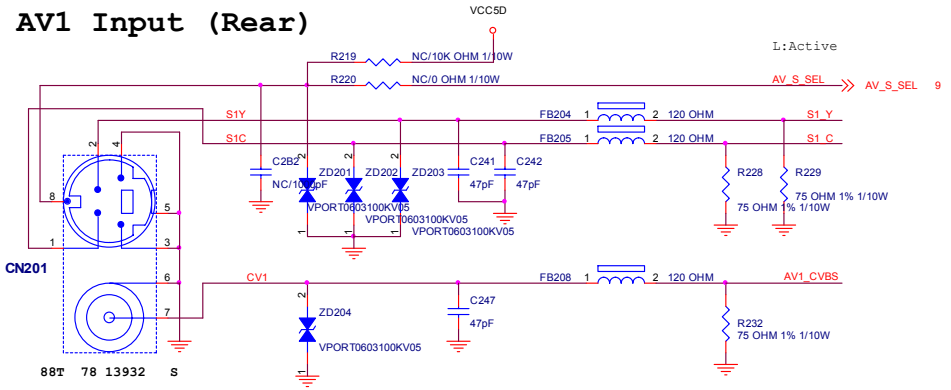
9.1 Main Board

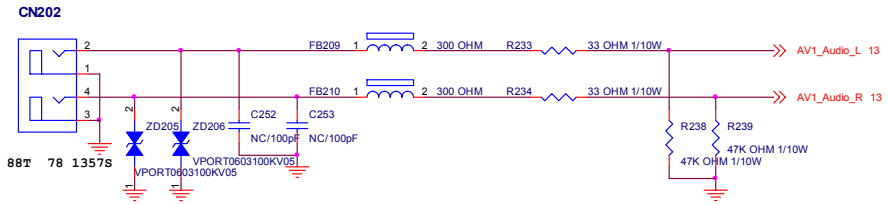
715T2830 2

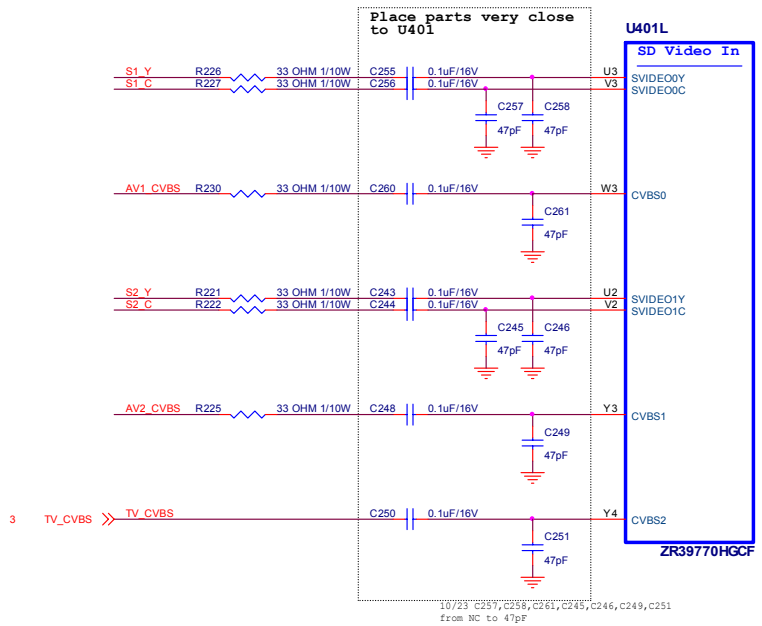


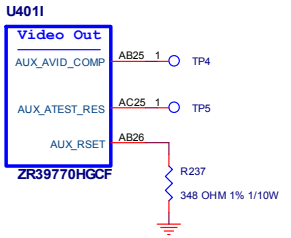
T P V (Top Victory Electronics Co . , Ltd.)		OEM MODEL		Size	Custom
話 隔 瓜 編 腹		TPV MODEL		Rev	E
Key Component	03-Tuner	PCB NAME	715T2830-2	称 爹	<称 爹>
Date	Wednesday , August 06, 2008	Sheet	3 of 18		

AV1 Input (Rear)

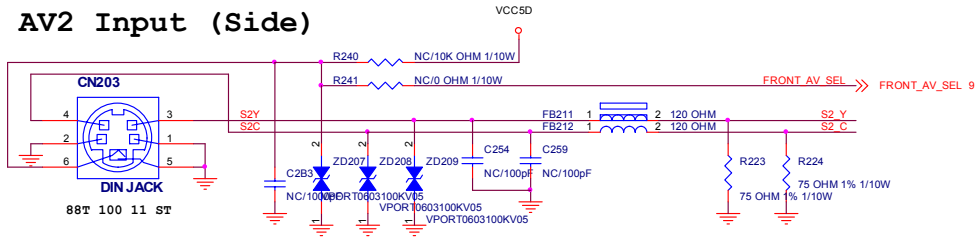


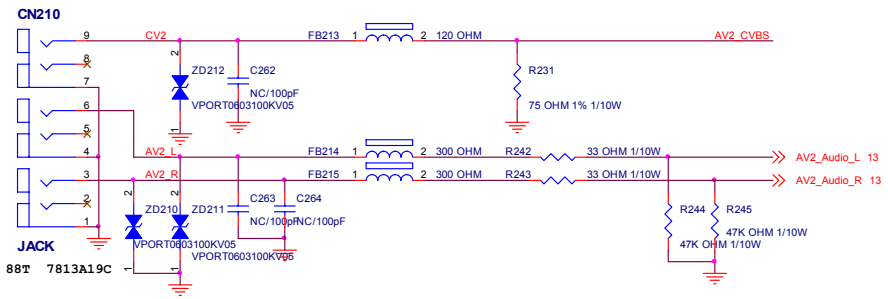



Place parts very close to U401
U401L
SD Video In
S1_Y R226 33 OHM 1/10W C255 0.1uF/16V U3 SVIDEO0Y
S1_C R227 33 OHM 1/10W C256 0.1uF/16V V3 SVIDEO0C
C257 47pF C258 47pF
AV1_CVBS R230 33 OHM 1/10W C260 0.1uF/16V W3 CVBS0
C261 47pF
S2_Y R221 33 OHM 1/10W C243 0.1uF/16V U2 SVIDEO1Y
S2_C R222 33 OHM 1/10W C244 0.1uF/16V V2 SVIDEO1C
C245 47pF C246 47pF
AV2_CVBS R225 33 OHM 1/10W C248 0.1uF/16V Y3 CVBS1
C249 47pF
3 TV_CVBS TV_CVBS C250 0.1uF/16V Y4 CVBS2
C251 47pF
ZR39770HGCF
10/23 C257,C258,C261,C245,C246,C249,C251 from NC to 47pF

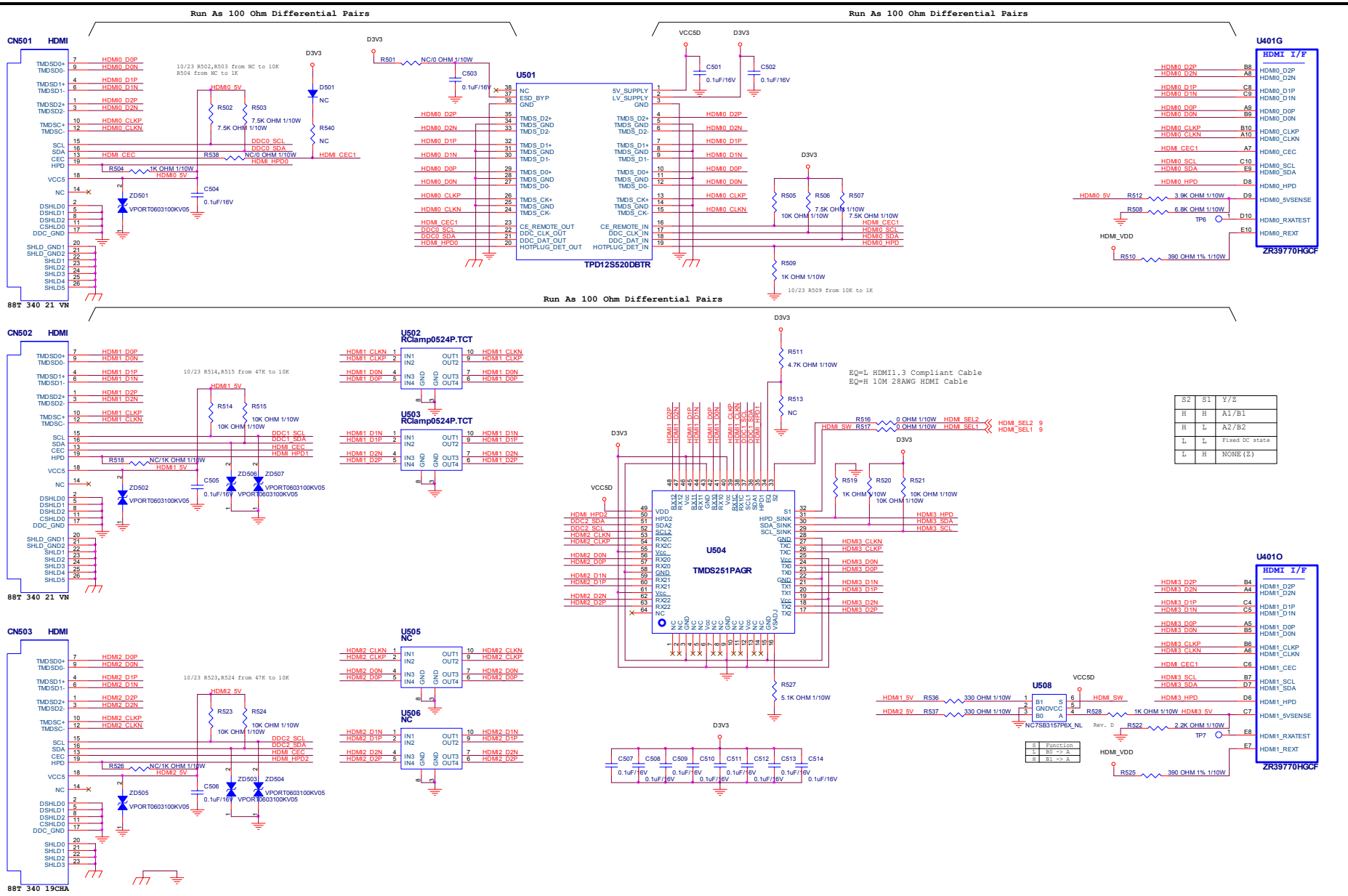


AV2 Input (Side)





TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL		Size	Custom
茹隔瓜銀腹		TPV MODEL		Rev	E
Key Component	04-AV Input	PCB NAME	715T2830-2	称爹	<称爹>
Date	Wednesday, August 06, 2008	Sheet	4 of 18		

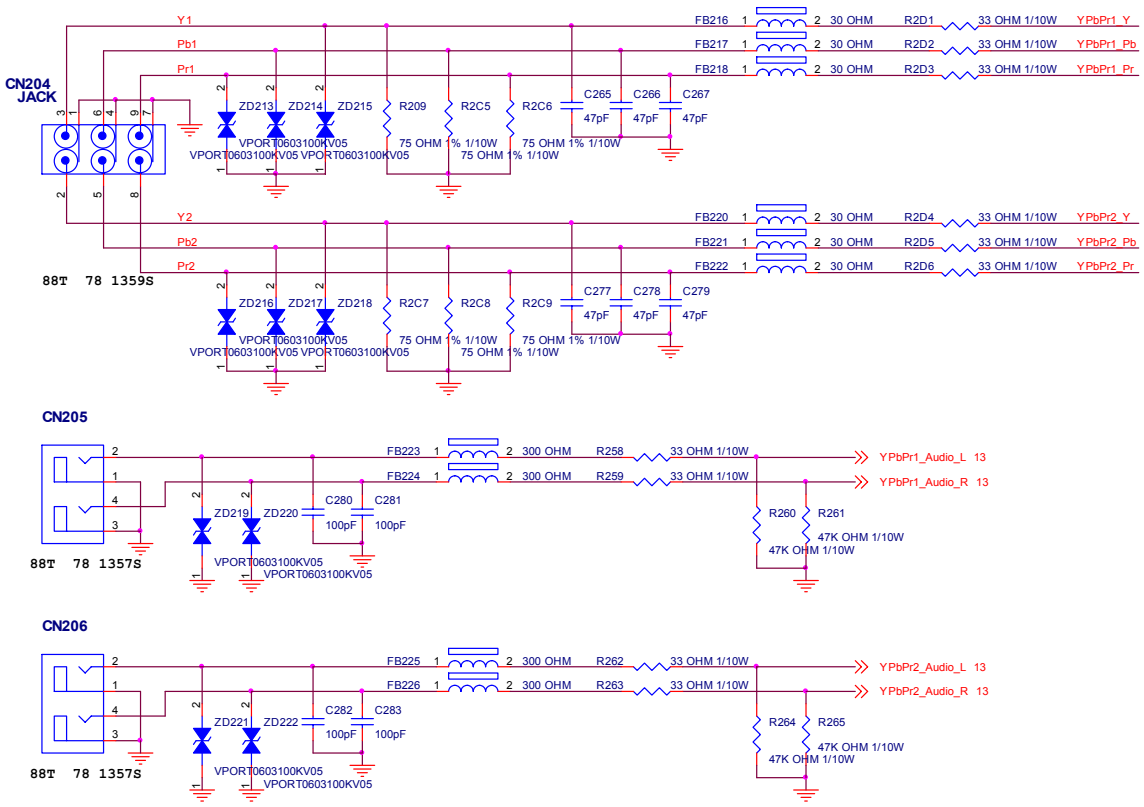


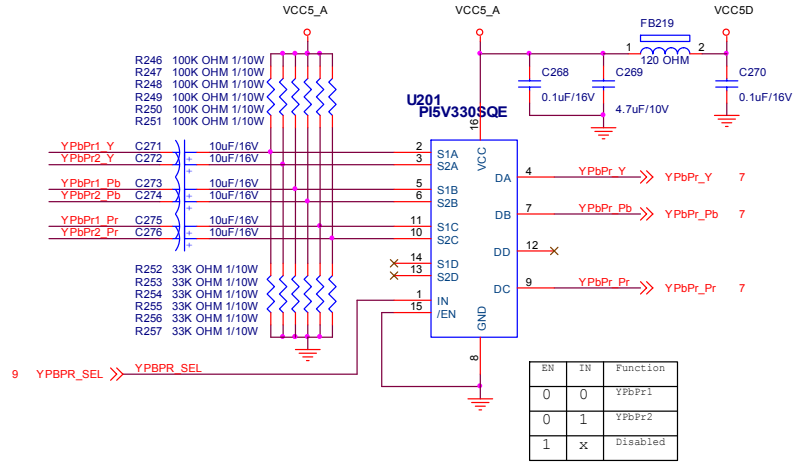
S2	S1	Y/Z
H	H	A1/B1
H	L	A2/B2
L	L	Fixed DC state
L	H	NONE(Z)

Side HMDI

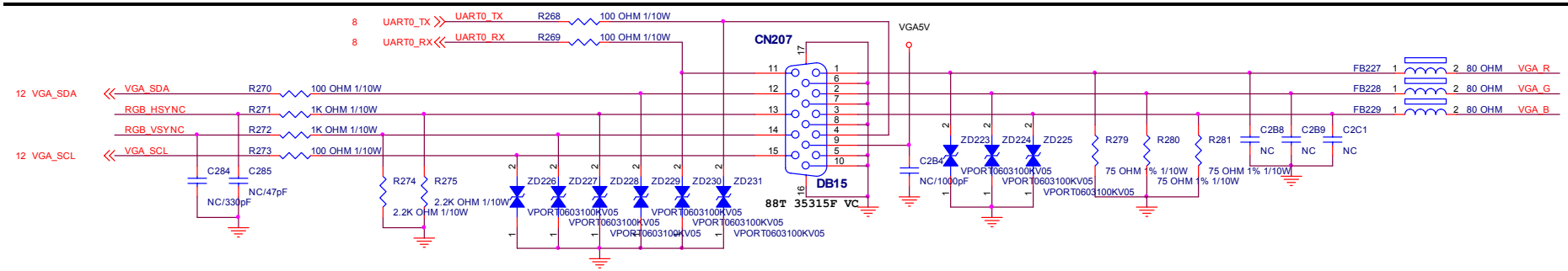
T P V (Top Victory Electronics Co., Ltd.)		OEM MODEL		Size	Custom
		TPV MODEL		Rev	E
Key Component	05-HDMI Input	PCB NAME	715T2830-2		
Date	Wednesday, August 06, 2008	Sheet	5 of 18		

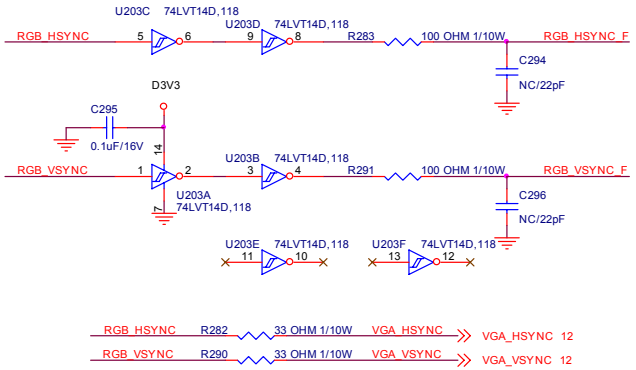
YPbPr Input

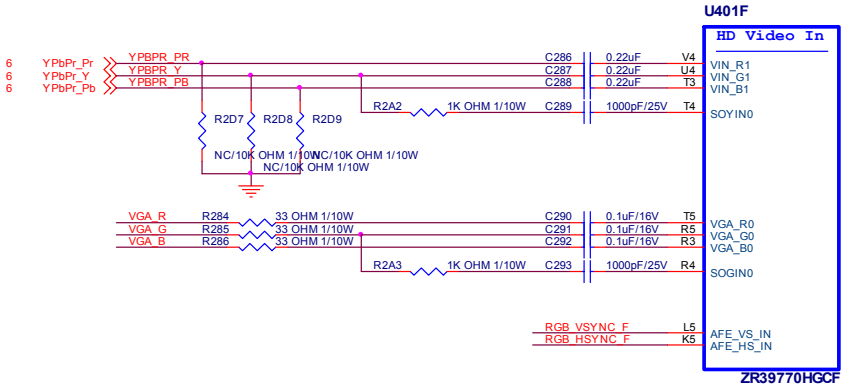




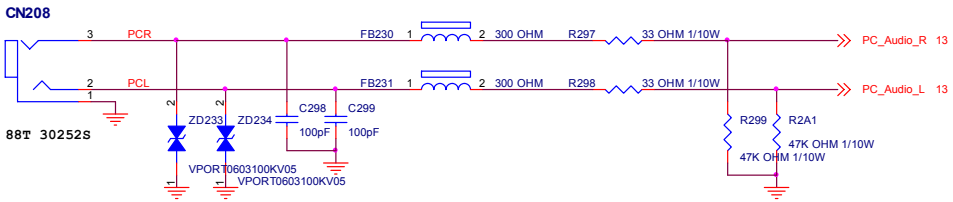
T P V (Top Victory Electronics Co., Ltd.)		OEM MODEL		Size	Custom
結 隔 瓜 綱 腹		TPV MODEL		Rev	E
Key Component	06-YPbPr Inputs	PCB NAME	715T2830-2	称爹	<称爹>
Date	Wednesday, August 06, 2008	Sheet	6 of 18		

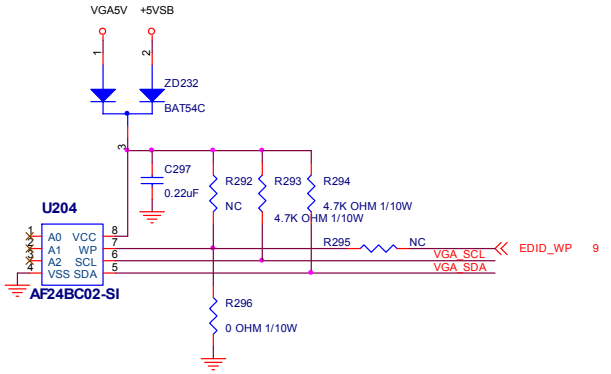




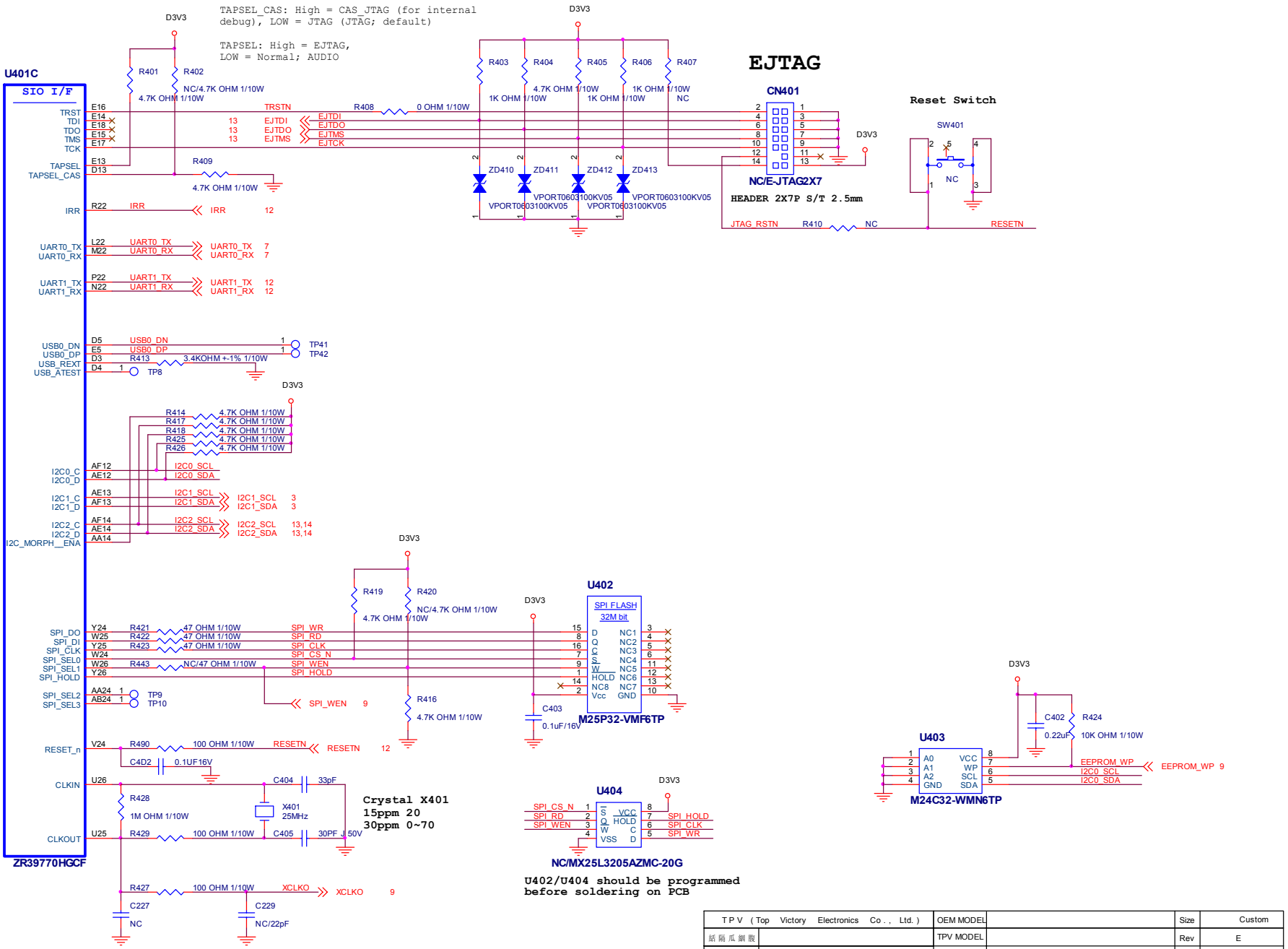


VGA Audio Input

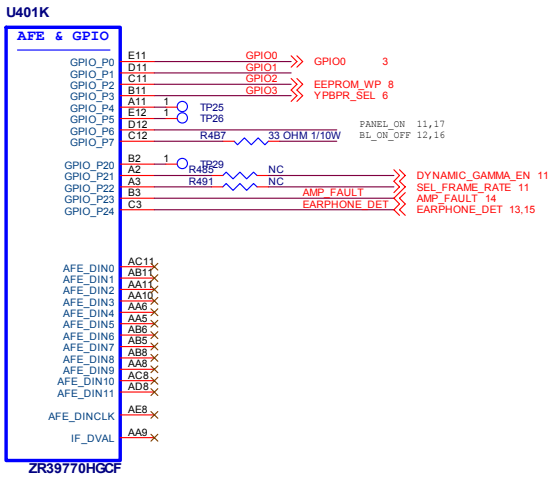




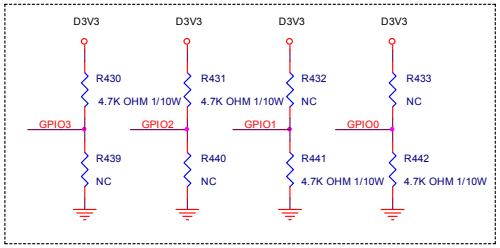
T P V (Top Victory Electronics Co . , Ltd.)		OEM MODEL		Size	Custom
話 隔 瓜 細 股		TPV MODEL		Rev	E
Key Component	06-VGA Input	PCB NAME	715T2830-2	称爹	<称爹>
Date	Wednesday, August 06, 2008	Sheet	7 of 18		



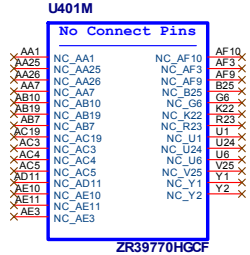
TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL		Size	Custom
紙隔瓜網股		TPV MODEL		Rev	E
Key Component	08-SIO I/F	PCB NAME	715T2830-2	称爹	<称爹>
Date	Wednesday, August 06, 2008	Sheet	8 of 18		

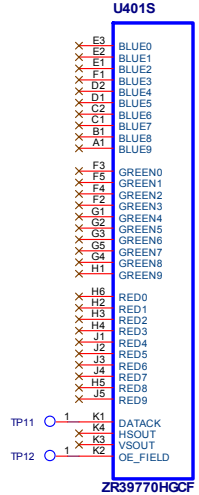


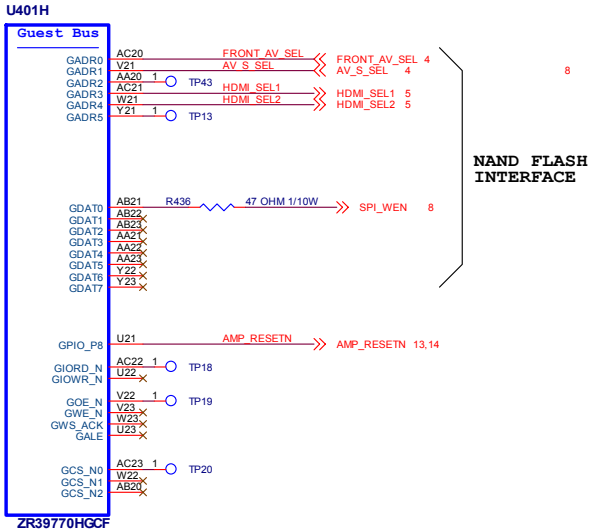
Bootstrap Configuration



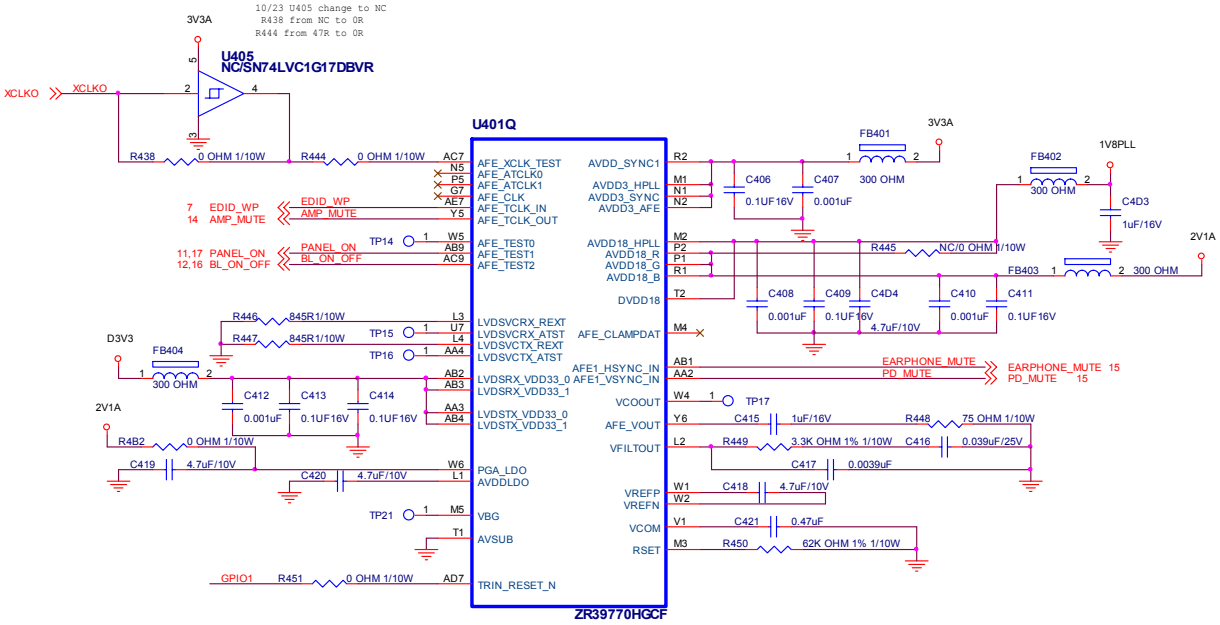
Boot Option	GPIO3	GPIO2	GPIO1	GPIO0
16-Bit NAND-Small Page	1	0	1	1
SPI	1	1	0	0
8-Bit NAND-Large Page	1	1	0	1
8-Bit NAND-Small Page	1	1	1	1







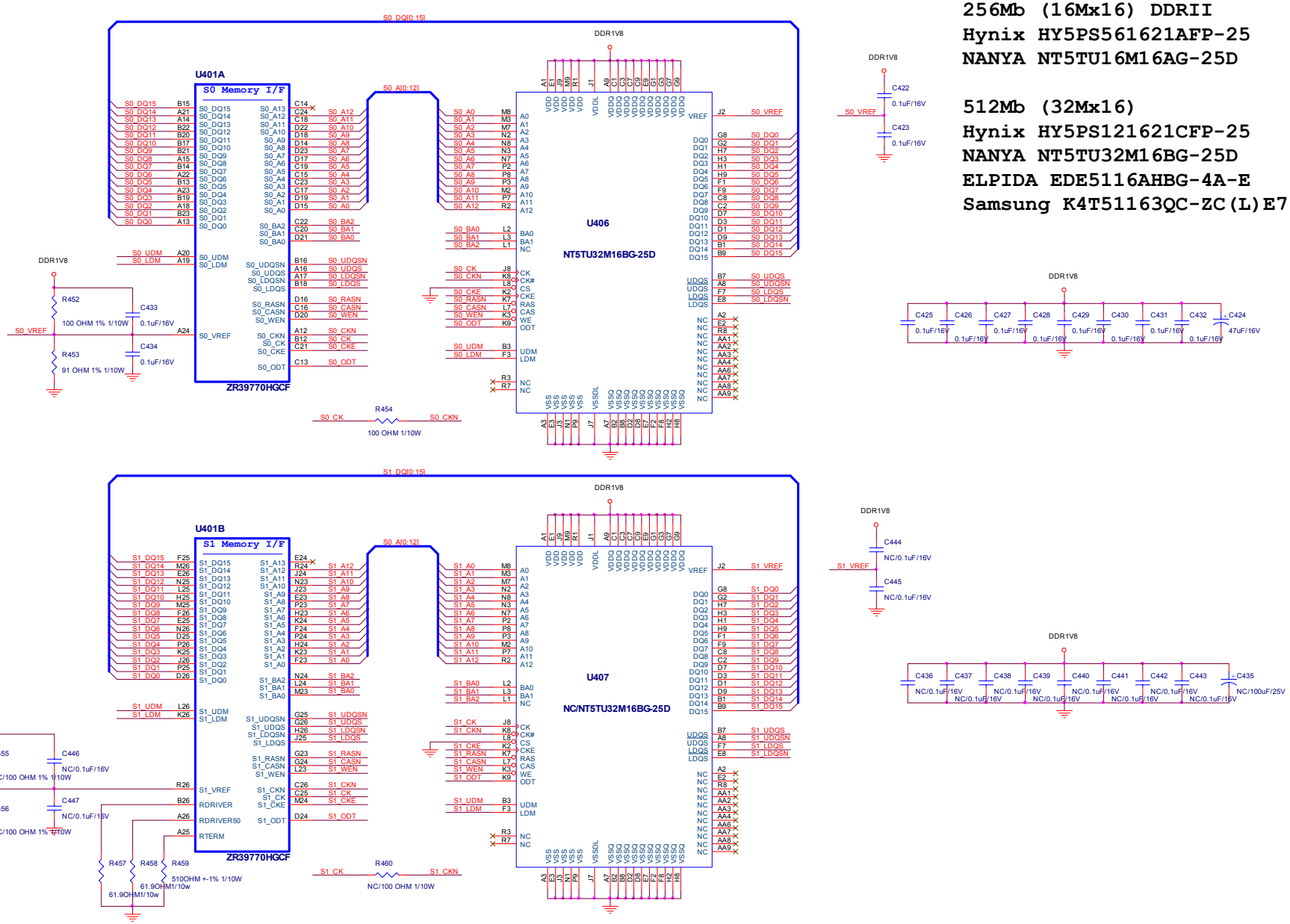
NAND FLASH INTERFACE



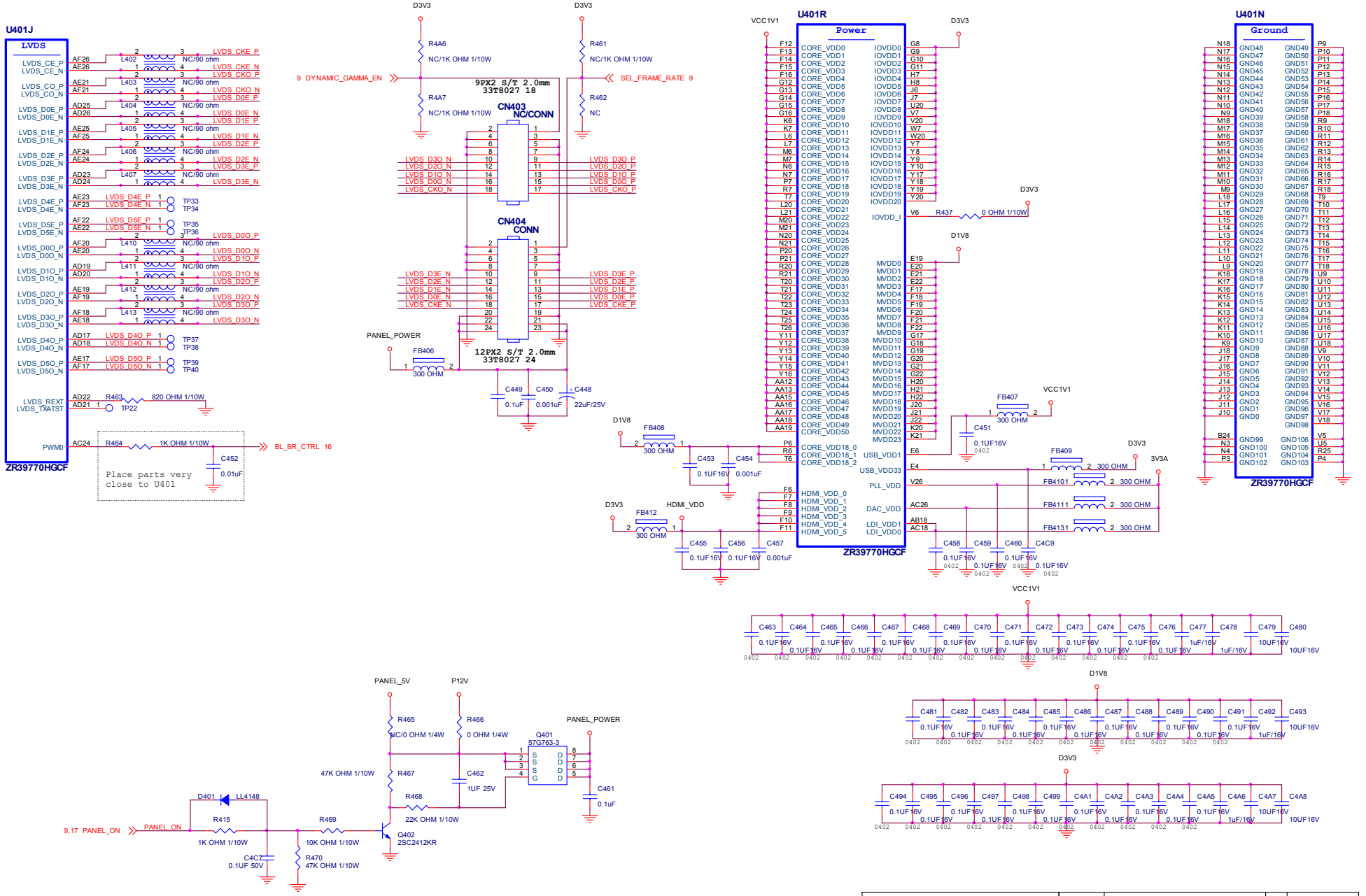
T P V (Top Victory Electronics Co . , Ltd.)		OEM MODEL		Size	Custom
話 隔 瓜 蝌 覆		TPV MODEL		Rev	E
Key Component	09-GPIO Block	PCB NAME	715T2830-2	称 爹	<称爹>
Date	Wednesday , August 06, 2008	Sheet	9 of 18		

256Mb (16Mx16) DDRII
Hynix HY5PS561621AFP-25
NANYA NT5TU16M16AG-25D

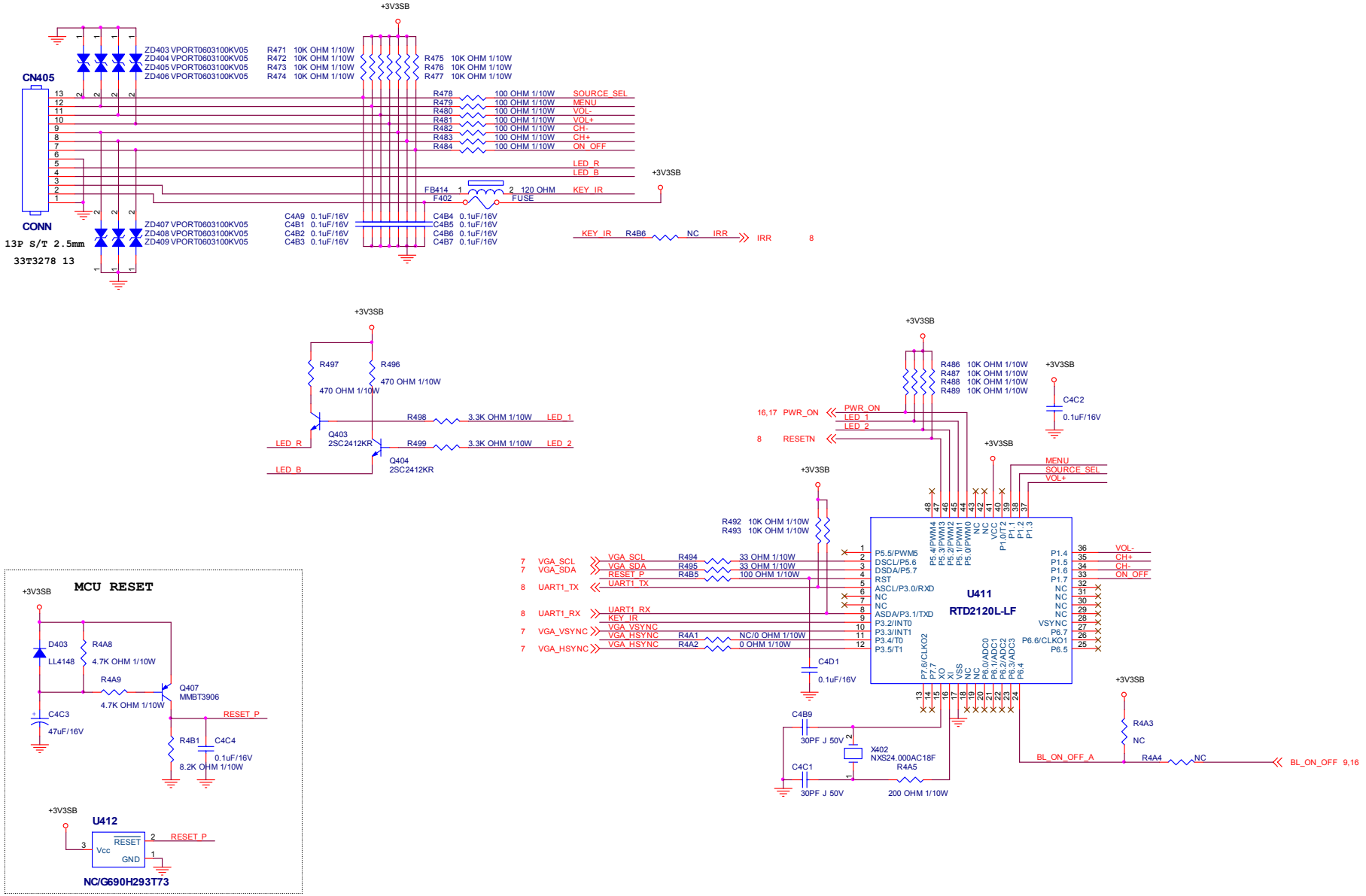
512Mb (32Mx16)
Hynix HY5PS121621CFP-25
NANYA NT5TU32M16BG-25D
ELPIDA EDE5116AHBG-4A-E
Samsung K4T51163QC-ZC(L)E7



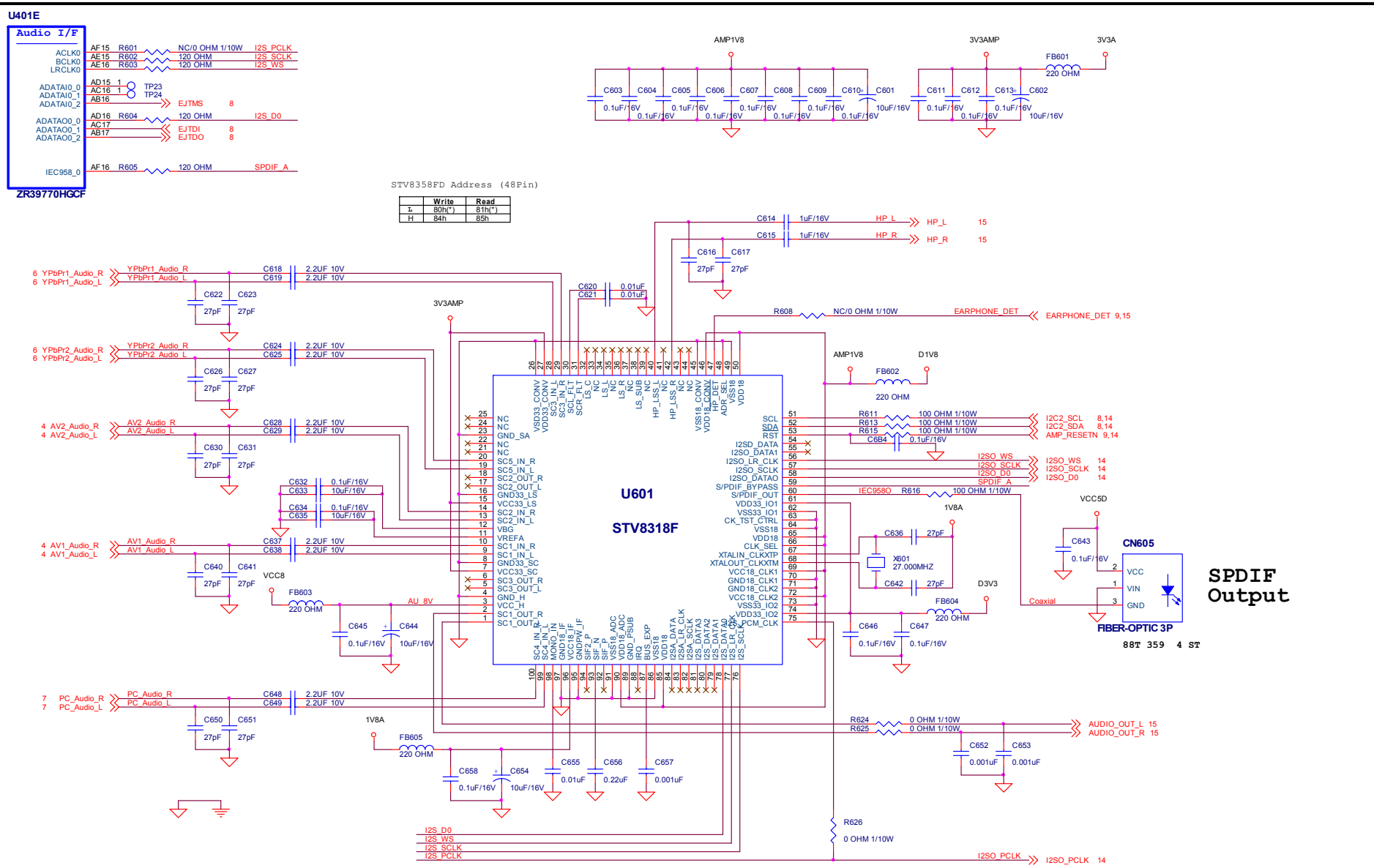
T P V (Top Victory Electronics Co., Ltd.)		OEM MODEL		Size	Custom
結 陽 瓜 鎮 腹		TPV MODEL		Rev	E
Key Component	10-DDRII SDRAM I/F	PCB NAME	715T2830-2	称多	<称多>
Date	Wednesday, August 06, 2008	Sheet	10 of 18		



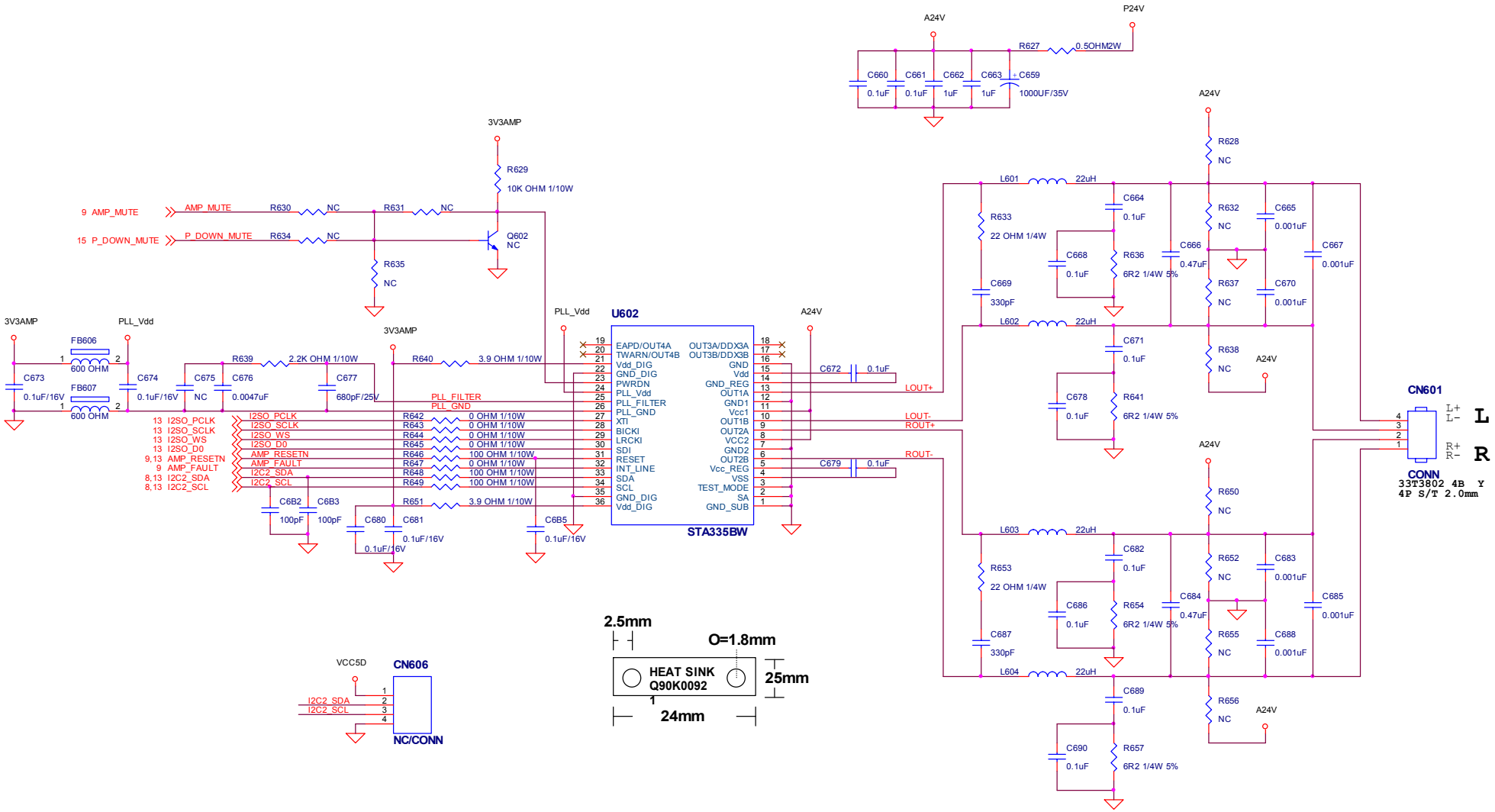
T P V (Top Victory Electronics Co . , Ltd.)		OEM MODEL		Size	Custom
結 隔 瓜 鋼 覆		TPV MODEL		Rev	E
Key Component	11-LVDS I/F	PCB NAME	715T2830-2	称 爹	<称爹>
Date	Wednesday , August 06, 2008	Sheet	11 of 18		



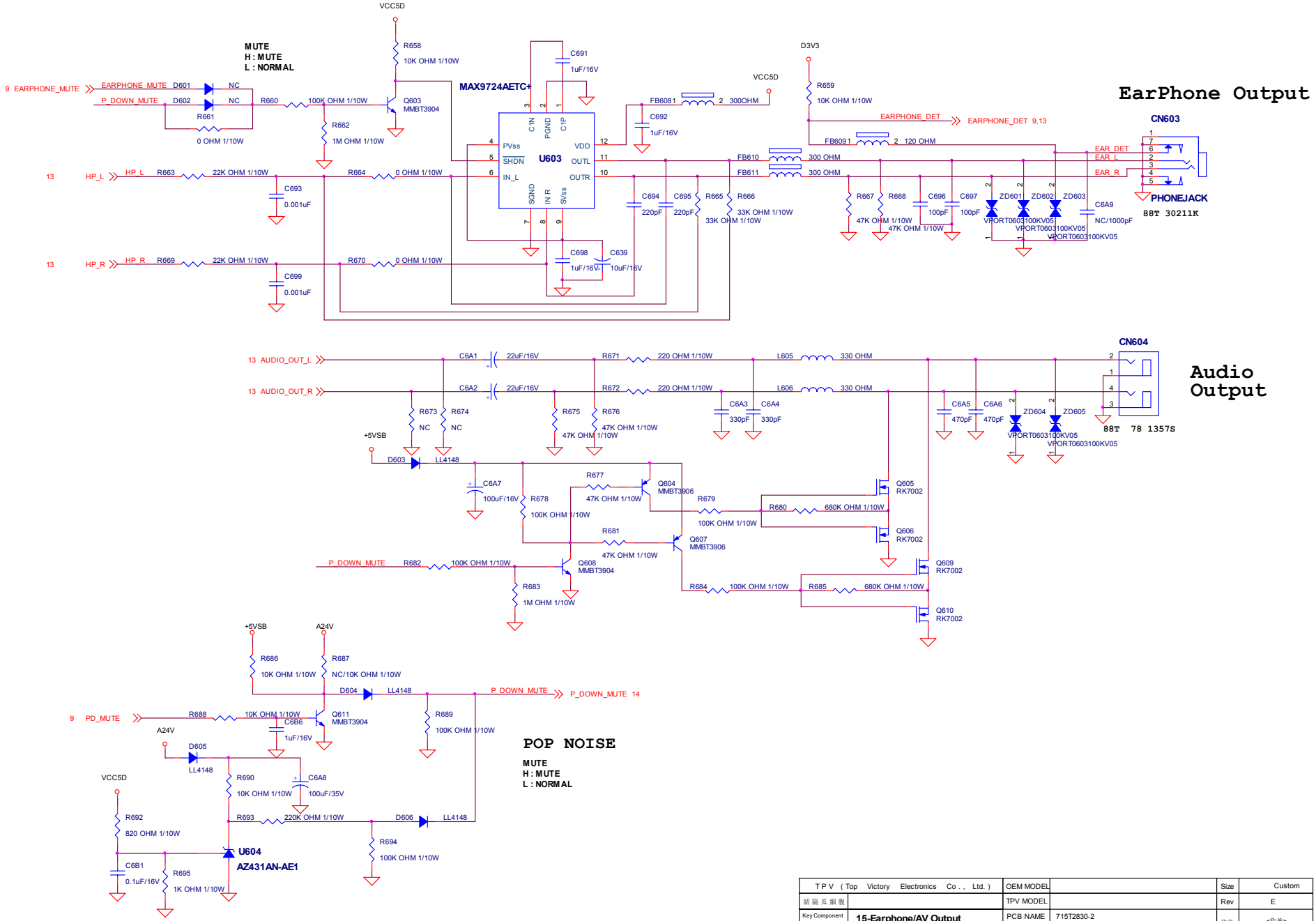
T P V (Top Victory Electronics Co . , Ltd.)		OEM MODEL		Size	Custom
結 隔 瓜 銅 腹		TPV MODEL		Rev	E
Key Component	12-Standby MCU	PCB NAME	715T2830-2	称 爹	<称爹>
Date	Wednesday, August 06, 2008	Sheet	12 of 18		



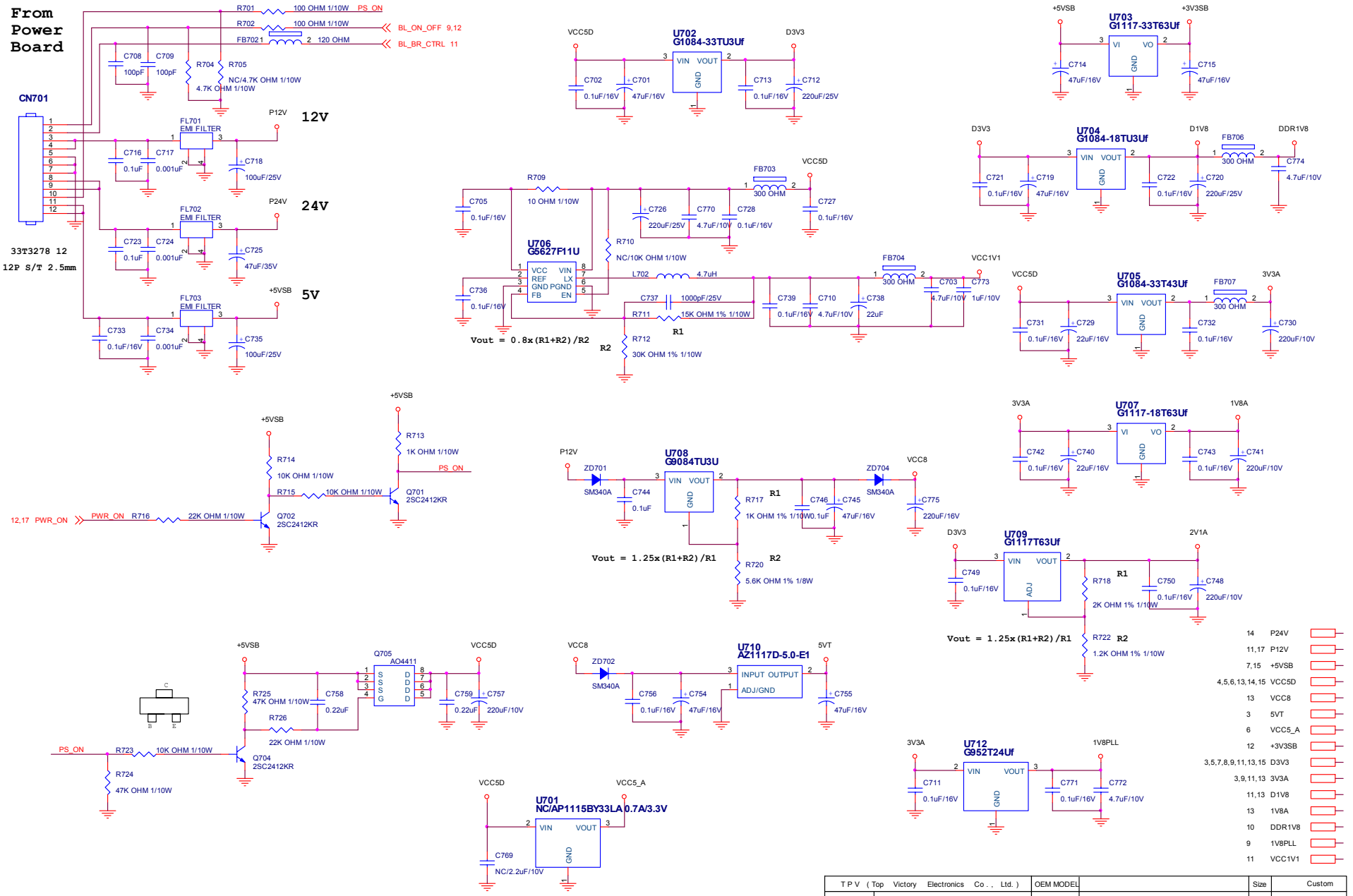
T P V (Top Victory Electronics Co., Ltd.)	OEM MODEL		Size: Custom
結 隔 瓜 銅 腹	TPV MODEL		Rev: E
Key Component: 13-Audio Processor	PCB NAME	715T2830-2	称 爹: <称爹>
Date: Wednesday, August 06, 2008	Sheet	13 of 18	



TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL		Size	Custom
結隔瓜鋼股		TPV MODEL		Rev	E
Key Component	14-Audio Amplifier	PCB NAME	715T2830-2	称爹	<称爹>
Date	Wednesday, August 06, 2008	Sheet	14 of 18		



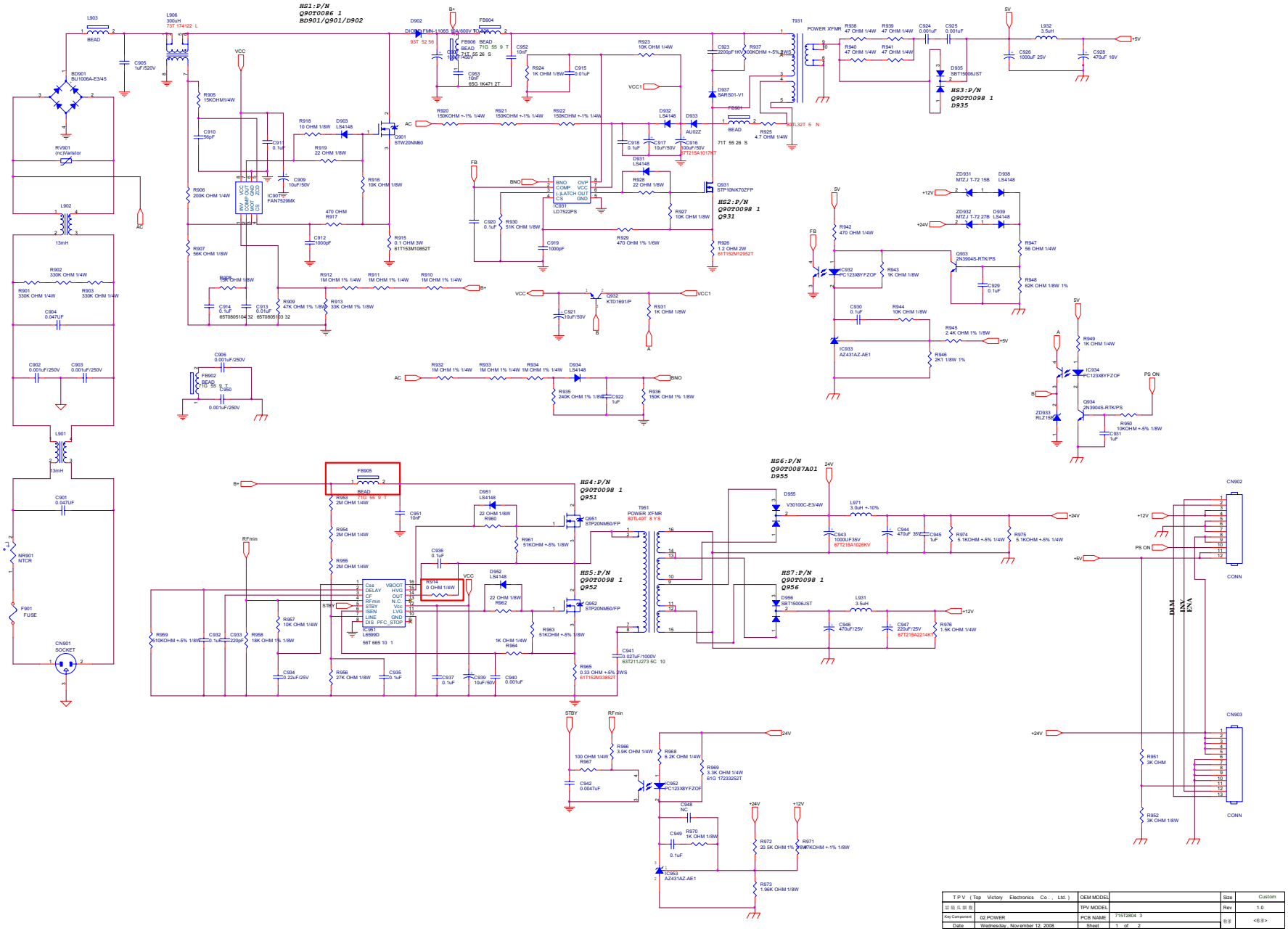
T P V (Top Victory Electronics Co . , Ltd.)		OEM MODEL		Size	Custom
結 隔 瓜 銅 腹		TPV MODEL		Rev	E
Key Component	15-Earphone/AV Output	PCB NAME	715T2830-2	務 多	<務多>
Date	Wednesday , August 06, 2008	Sheet	15 of 18		



T P V (Top Victory Electronics Co., Ltd.)		OEM MODEL		Size	Custom
結 隔 瓜 編 服		TPV MODEL		Rev	E
Key Component	15-Power	PCB NAME	715T2830-2	称多	<称多>
Date	Wednesday, August 06, 2008	Sheet	16 of 18		

9.2 Power Board

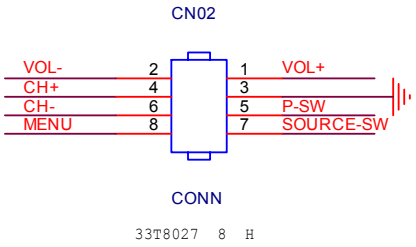
715T2804 3

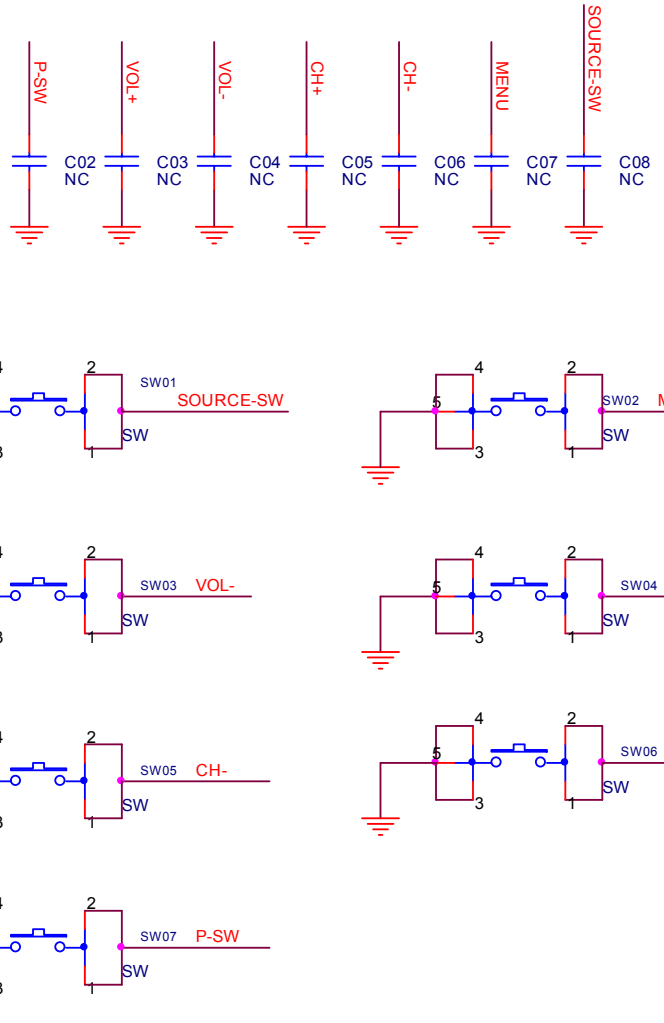


T P V (Top Victory Electronics Co., Ltd.)		OEM MODEL		Size	Custom
		TPV MODEL		Rev	1.0
Key Component	02.POWER	PCB NAME	715T2804 3		
Date	Wednesday, November 12, 2008	Sheet	1 of 2		

9.3 Key Board

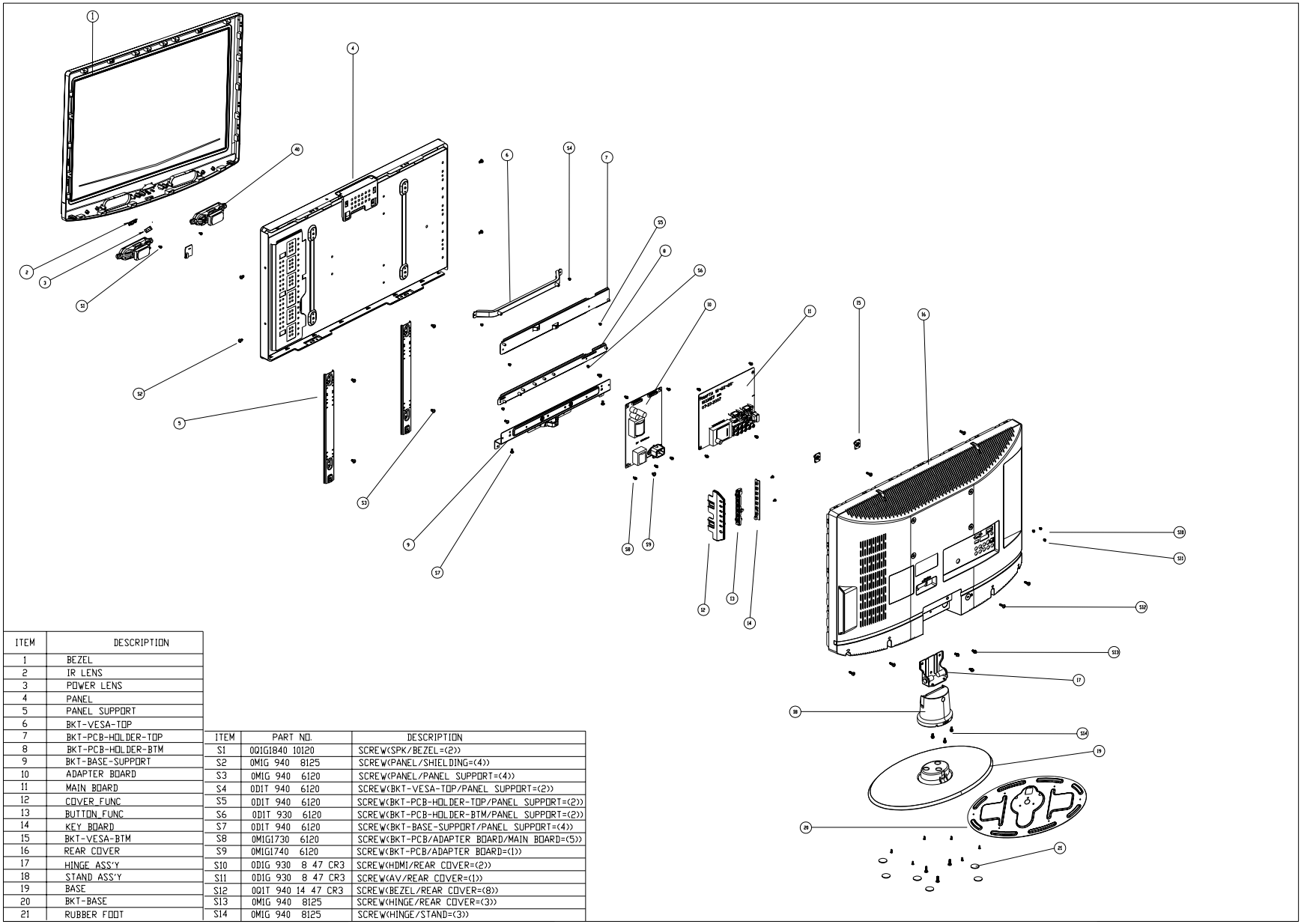
715T2833 1





Title		
Size A	Document Number **715T2833**	Rev A
Date: Thursday, August 02, 2007	Sheet 1 of 1	

10. Exploded View



ITEM	DESCRIPTION
1	BEZEL
2	IR LENS
3	POWER LENS
4	PANEL
5	PANEL SUPPORT
6	BKT-VESA-TOP
7	BKT-PCB-HOLDER-TOP
8	BKT-PCB-HOLDER-BTM
9	BKT-BASE-SUPPORT
10	ADAPTER BOARD
11	MAIN BOARD
12	COVER_FUNC
13	BUTTON_FUNC
14	KEY BOARD
15	BKT-VESA-BTM
16	REAR COVER
17	HINGE ASS'Y
18	STAND ASS'Y
19	BASE
20	BKT-BASE
21	RUBBER FOOT

ITEM	PART NO.	DESCRIPTION
S1	0Q1G1840 10120	SCREW(SPK/BEZEL=(2))
S2	0M1G 940 8125	SCREW(PANEL/SHIELDING=(4))
S3	0M1G 940 6120	SCREW(PANEL/PANEL SUPPORT=(4))
S4	0D1T 940 6120	SCREW(BKT-VESA-TOP/PANEL SUPPORT=(2))
S5	0D1T 940 6120	SCREW(BKT-PCB-HOLDER-TOP/PANEL SUPPORT=(2))
S6	0D1T 930 6120	SCREW(BKT-PCB-HOLDER-BTM/PANEL SUPPORT=(2))
S7	0D1T 940 6120	SCREW(BKT-BASE-SUPPORT/PANEL SUPPORT=(4))
S8	0M1G1730 6120	SCREW(BKT-PCB/ADAPTER BOARD/MAIN BOARD=(5))
S9	0M1G1740 6120	SCREW(BKT-PCB/ADAPTER BOARD=(1))
S10	0D1G 930 8 47 CR3	SCREW(HDMI/REAR COVER=(2))
S11	0D1G 930 8 47 CR3	SCREW(AV/REAR COVER=(1))
S12	0Q1T 940 14 47 CR3	SCREW(BEZEL/REAR COVER=(8))
S13	0M1G 940 8125	SCREW(HINGE/REAR COVER=(3))
S14	0M1G 940 8125	SCREW(HINGE/STAND=(3))

11. BOM List

E32RMZNKWJW2N

Location	Part No.	Description	Remark
	036T 600 18112	NONWOVEN FABRTC	
	049T 51 1A	ERADICATOR	
	050G 600 1 W	WHITE STRAP	
	052G 1150 C	INSULATING TAPE	
	052G 1185	MIDDLE TAPE	
	052G 1186	SMALL TAPE	
	052G 1211 B	CONDUCTIVE TAPE 85MM *40MM *0.09MM	
	052G 2191 A	PAPER TAPE	
E07801	078T 495501 K	SPK 8 OHM 11W 120X30MM KUAIDA	2nd source
E07801	078T 495501 Y	SPK 8 OHM 11W 120*30MM SUNLINK	
E08901	089G402A18N CX	POWER CORD	
E08901	089G402A18N IS	POWER CORD/32-D022438	2nd source
	092TB1JX1A3WGM	BATTERY FOR ALL EXPORT MODE LR03	
	095T801313D625	WIRE HARNESS 13P(PLUG)-8P+5P(A1253HA HR)	
E09501	095T8014 4D549	WIRE HARNESS 4P(PLUG)-B&R+B&W	2nd source
E09501	095T8014 4X549	WIRE HARNESS 4P(PLUG)-B&R+B&W	
E09503	095T801414WH42	WIRE HARNESS 14P-13P	2nd source
E09503	095T801414XH42	WIRE HARNESS 14P-13P	
	095T8018 3XH46	LVDS CABLE 30P-24P 120MM	
	098TRABDANEWEC	REMOTE CONTROL FOR 26/32 WDE	
	0D1G 930 8 47 CR3	SCREW	
	0D1T 940 6120	SCREW	
	0M1G 940 6120	SCREW (M4X6)	
	0M1G 940 8125	SCREW M4X8	
	0M1G 940 10 47 CR3	SCREW	
	0M1G1730 6120	SCREW,42-D020523	
	0M1G1730 10120	SCREW 42A9930016	
	0M1G1740 6120	SCREW	
	0Q1G 930 8 47 CR3	SCREW	
	0Q1G1840 10120	SCREW	
	0Q1T 940 14 47 CR3	SCREW	
	705TQ733041	PLASTIC ASS'Y	
	0Q1G 930 6120	SCREW 3X6MM	
	A33T0304 GMA1L0100	COVER_FUNC	
	A33T0305 QV 1L0200	BUTTON_FUNC	
	KEPF7QAA	KEY BOARD	
CN02	033G8027 8 H	WAFER 8P 2.0MM DIP DUAL ROWR	
SW06	077G 600 1GCJ	TACT SWITCH TSPB-2 -NP	
SW07	077G 600 1GCJ	TACT SWITCH TSPB-2 -NP	
SW01	077G 600 1GCJ	TACT SWITCH TSPB-2 -NP	
SW02	077G 600 1GCJ	TACT SWITCH TSPB-2 -NP	
SW04	077G 600 1GCJ	TACT SWITCH TSPB-2 -NP	
SW03	077G 600 1GCJ	TACT SWITCH TSPB-2 -NP	
SW05	077G 600 1GCJ	TACT SWITCH TSPB-2 -NP	
	715T2833 1	KEY BOARD PCB	
	705TQ834165	STAND ASS'Y	
	0Q1G 130 8120	SCREW 42A9930011	
	A15T0384201	BKT-BASE-PLATE-A1-BIG	

	A34T0521 GM 1L0220	BASE_S1	
	Q12G6300 25 2	RUBBER FOOT	
M037	Q37T0078021 GM	HINGE ASS'Y	
M037	SQ37T0078021G	HINGE ASSY	2nd source
	028F0848110	SHAFT	
	034F0520 GM 1L	TOP PLASTIC	
	034F0519 GM 1L	BOTTOM PLASTIC	
	002F7015 1	NUT	
	004F081510T 00	WASHER	
	004F180810M 00	WASHER	
	004F1808104 00	WASHER	
	004F1808104 01	WASHER	
	004F122515M 00	WASHER	
	705TQ834302	BEZEL ASS'Y	
	A33T0453 1 1C0100	POWER LENS	
	A33T0459 ED 1C0100	IR LENS	
	A34T0517 GM 8L0530	BEZEL TV32W-8A8	
	Q23T3155999 2A	WDE LOGO	
	Q35T0042AEY 1C0100	MASK_BEZEL TV32W-8A8	
	Q36T 600 18113	CLOTH_GRIDDING	
	Q36T 600 18114	CLOTH_GRIDDING	
	705TQ834738	REAR COVER ASS'Y	
	052G 2191 A	PAPER TAPE	
	A15T0282201	BKT-VESA-BTM	
	A34T0518 GM 1A0230	REAR COVER 32	
	Q36T 600 18113	CLOTH_GRIDDING	
	Q36T 600 18120	LOTH_GRIDDING	
	Q36T 600 37 6 GP	NONWOVEN FABRIC	
	Q36T 600 37 36 GP	NONWOVEN FABRIC	
E750	750TVM315B3111N0WD	PANEL V315B3-L01 C1 TW CMO	2nd source
E750	750TVM315B3112N0WD	PANEL V315B3-L01 C1 NB CMO	
E750	750TVM315B3113N0WD	PANEL V315B3-L01 C1 NH CMO	2nd source
	756TQ8CB ZK038	MAIN BOARD-CBPFRZ5KQT	
U411	056G1125701 X	IC MCU RTD2120L-LF REALTEK	
U402	056G1133103	IC M25P32-VMF6P 32M S0-16	
CBPF-U411	100TMZMK001K11	MCU ASS'Y-056G1125701 X	
SMTF-U402	100TMZMK004K11	MCU ASS'Y-056G1133103	
	A15T0278103	BKT-PCB-HOLDER-TOP	
	A15T0279102	BKT-PCB-HOLDER-BTM	
	A15T0280103	PANEL SUPPORT	
	A15T0281102	BKT-VESA-TOP	
	A15T0283102	BKT-BASE-SUPPORT	
	ADTV82418PA2	ADAPTER BOARD	
	040G 45762412B	CBPC LABEL	
CN902	033T327812D	WAFER 12P PLUG	
CN903	033T380213B Y	CONNECTOR	
IC934	056G 139 3B	IC PC123Y82FZ0F	
IC952	056G 139 3B	IC PC123Y82FZ0F	
IC932	056G 139 3B	IC PC123Y82FZ0F	
Q932	057G 761 7	KTD1691P	
R915	061T153M10852T	RST MOFR 0.1 OHM +-5% 3WS	

C904	063G107K474 US	0.47UF +-10%	
C901	063G107K474 US	0.47UF +-10%	
C905	063G210K105BCN	MPP CAP 1UF 520V P=15MM	
C941	063G211J273 5C 10	0.027UF 5% 1000V P=15MM	
C952	065G 1K103 2E6921	CAP CER 10NF K 1KV Y5P	
C951	065G 1K103 2E6921	CAP CER 10NF K 1KV Y5P	
C902	065G306M1022BM GP	Y1.CAP.001UF 250VAC MURATA	
C903	065G306M1022BM GP	Y1.CAP.001UF 250VAC MURATA	
C950	065G306M1022BM GP	Y1.CAP.001UF 250VAC MURATA	
C906	065G306M1022BM GP	Y1.CAP.001UF 250VAC MURATA	
C926	067G215A1024KT	EC 1000UF 25V 10*25MM	
C943	067G215A1026KV	EC 1000UF 35V 12.5*25MM	
C928	067G215A4713KT	EC 470UF 16V 10*12.5MM	
C944	067G215A4716KT	EC 470UF 35V 10*16MM	
C946	067G215D4714KV	E.C 105℃ CAP 470UF M 25V ED SERIES	
C907	067G215S10115R	ALUMINUM ELECTROLYSIS CAPACITANCE	
L903	071G 55 21	FERRITE BEAD	
FB901	071G 55 26 S	FERRITE CORE	
FB906	071G 55 26 S	FERRITE CORE	
L931	073G 253 91 H	CHOKE COIL	
L932	073G 253 91 H	CHOKE COIL	
L971	073G 253150 L	CHOCK	
L901	073T 174106 DN	LINE FILTER 13MH LK.TF032.A20	
L902	073T 174106 DN	LINE FILTER 13MH LK.TF032.A20	
L906	073T 174122 L	PFC CHOKE 230UH PT-009321	
T931	080TL32T 5 N	X'FMR 1.9MH YUVA-827	
T951	080TL40T 8 YS	X'FMR 600UH YS04160149	
CN901	087T 501 44 DL	AC SOCKET 3PIN + 2 SCREW HOLE V/T	
	705TQ757011	Q951 ASS'Y	
Q951	057G 611 9	FET 2SK4097LS 9.5A/500V TO-220FI(LS)	
	0M1G1730 8120	SCREW	
	Q90G6084 3	HEAT SINK	
	705TQ757012	Q952 ASS'Y	
Q952	057G 611 9	FET 2SK4097LS 9.5A/500V TO-220FI(LS)	
	0M1G1730 8120	SCREW	
	Q90G6084 3	HEAT SINK	
	705TQ757013	Q931 ASS'Y	
Q931	057G 667 52	FET 2SK4100LS-T 7A/650V TO-220FI(LS)	
	0M1G1730 8120	SCREW	
	Q90G6084 3	HEAT SINK	
	705TQ757022	Q901 ASS'Y	
Q901	057G 600 72	FET SPW16N50C3 16A/560V P-TO247	
	0M1G1730 10120	SCREW 42A9930016	
	Q12G 372 8	SILICON	
	Q90T0095 2	HEAT SINK	
	705TQ761021	NR901 ASS'Y	
NR901	061T 58030 WL	RST NTCR 3 OHM +-20% 5A THINKING	
	Q09T 203 8	PIN FOR NR901	
	705TQ793020	BD901 ASS'Y	
BD901	093G 50460 39	BRIDGE BU1006A-E3/45 10A/600V BU	
	0M1G1730 10120	SCREW 42A9930016	

	Q90T0095 2	HEAT SINK	
	705TQ793021	D902 ASS'Y	
D902	093G 52 56	DIODE FMN-1106S 10A/600V TO-220	
	0M1G1730 8120	SCREW	
	Q90G6084 3	HEAT SINK	
	705TQ793022	D935 ASS'Y	
D935	093G 60298	DIODE SBT15006JST 15A/60V TO-220ML(LS)	
	0M1G1730 8120	SCREW	
	Q90G6084 3	HEAT SINK	
	705TQ793023	D955/D956 ASS'Y	
	005G 42 1	CUSHION	
	032G3028 8	MICA	
D956	093G 60298	DIODE SBT15006JST 15A/60V TO-220ML(LS)	
D955	093G 60310	DIODE V30100C-E3/4W 30A/100V TO-220AB	
	0M1G1730 10120	SCREW 42A9930016	
	Q90T0087 2	HEAT SINK	
IC901	056G 368 12	IC FAN7529MX SOP-8	
IC931	056G 379 79	IC LD7522PS SOP-8	
IC951	056G 665 10 1	IC RESONANT L6599DTR SO-16N ST	
Q933	057G 417 12 T	KEC 2N3904S-RTK/PS	
Q934	057G 417 12 T	KEC 2N3904S-RTK/PS	
R918	061G0805100	RST CHIPR 10 OHM +-5% 1/8W	
R970	061G0805102	RST CHIPR 1K OHM +-5% 1/8W	
R943	061G0805102	RST CHIPR 1K OHM +-5% 1/8W	
R931	061G0805102	RST CHIPR 1K OHM +-5% 1/8W	
R924	061G0805102	RST CHIPR 1K OHM +-5% 1/8W	
R916	061G0805103	RST CHIPR 10K OHM +-5% 1/8W	
R927	061G0805103	RST CHIPR 10K OHM +-5% 1/8W	
R944	061G0805103	RST CHIPR 10K OHM +-5% 1/8W	
R950	061G0805103	RST CHIPR 10K OHM +-5% 1/8W	
R936	061G0805150 3F	RST CHIP 150K 1/8W 1%	
R908	061G0805153	RST CHIPR 15KOHM +-5% 1/8W	
R958	061G0805180 2F	RST CHIPR 18 KOHM +-1% 1/8W	
R973	061G0805196 1F	RST CHIP 1.96K 1/8W 1%	
R972	061G0805205 2F	RST CHIPR 20.5KOHM +-1% 1/8W	
R919	061G0805220	RST CHIPR 22 OHM +-5% 1/8W	
R960	061G0805220	RST CHIPR 22 OHM +-5% 1/8W	
R962	061G0805220	RST CHIPR 22 OHM +-5% 1/8W	
R928	061G0805220	RST CHIPR 22 OHM +-5% 1/8W	
R945	061G0805240 1F	RST CHIPR 2.4K OHM +-1% 1/8W	
R935	061G0805240 3F	RST CHIPR 240 KOHM +-1% 1/8W	
R956	061G0805273	RST CHIPR 27 KOHM +-5% 1/8W	
R952	061G0805302	RST CHIPR 3K OHM +-5% 1/8W	
R913	061G0805330 2F	RST CHIPR 33K OHM +-1% 1/8W	
R971	061G0805470 2F	RST CHIP 47K 1/8W 1%	
R909	061G0805470 2F	RST CHIP 47K 1/8W 1%	
R930	061G0805513	RST CHIPR 51K OHM +-5% 1/8W	
R961	061G0805513	RST CHIPR 51K OHM +-5% 1/8W	
R963	061G0805513	RST CHIPR 51K OHM +-5% 1/8W	
R959	061G0805514	RST CHIPR 510 KOHM +-5% 1/8W	
R907	061G0805563	RST CHIPR 56K OHM +-5% 1/8W	

R948	061G0805620 2F	RST CHIPR 62 KOHM +-1% 1/8W	
R914	061G1206000	RST CHIP MAX 0R05 1/4W	
R911	061G1206100 4F	RST CHIPR 1 MOHM +-1% 1/4W	
R912	061G1206100 4F	RST CHIPR 1 MOHM +-1% 1/4W	
R933	061G1206100 4F	RST CHIPR 1 MOHM +-1% 1/4W	
R910	061G1206100 4F	RST CHIPR 1 MOHM +-1% 1/4W	
R934	061G1206100 4F	RST CHIPR 1 MOHM +-1% 1/4W	
R932	061G1206100 4F	RST CHIPR 1 MOHM +-1% 1/4W	
R922	061G1206150 3F	RST CHIPR 150KOHM +-1% 1/4W	
R921	061G1206150 3F	RST CHIPR 150KOHM +-1% 1/4W	
R920	061G1206150 3F	RST CHIPR 150KOHM +-1% 1/4W	
R976	061G1206152	RST CHIPR 1.5 KOHM +-5% 1/4W TZAI YUAN	
R905	061G1206153	RST CHIPR 15 KOHM +-5% 1/4W	
R906	061G1206204	RST CHIPR 200 KOHM +-5% 1/4W	
R953	061G1206205	RST CHIPR 2 MOHM +-5% 1/4W	
R954	061G1206205	RST CHIPR 2 MOHM +-5% 1/4W	
R955	061G1206205	RST CHIPR 2 MOHM +-5% 1/4W	
R901	061G1206334	RST CHIPR 330KOHM +-5% 1/4W	
R902	061G1206334	RST CHIPR 330KOHM +-5% 1/4W	
R903	061G1206334	RST CHIPR 330KOHM +-5% 1/4W	
R941	061G1206470	RST CHIPR 47 OHM +-5% 1/4W	
R940	061G1206470	RST CHIPR 47 OHM +-5% 1/4W	
R939	061G1206470	RST CHIPR 47 OHM +-5% 1/4W	
R938	061G1206470	RST CHIPR 47 OHM +-5% 1/4W	
R925	061G1206479	RST CHIPR 4.7OHM +-5% 1/4W	
R974	061G1206512	RST CHIPR 5.1 KOHM +-5% 1/4W	
R975	061G1206512	RST CHIPR 5.1 KOHM +-5% 1/4W	
R946	061T08052101FY	RST CHIP 2K1 1/8W 1%	
C919	065G0805102 31	CAP CHIP 0805 1000PF J 50V NPO	
C912	065G0805102 31	CAP CHIP 0805 1000PF J 50V NPO	
C924	065G0805102 32	CHIP 1000P 50VX7R 0805	
C925	065G0805102 32	CHIP 1000P 50VX7R 0805	
C940	065G0805102 32	CHIP 1000P 50VX7R 0805	
C913	065G0805103 32	CAP CHIP 0805 10NF K 50V X7R	
C915	065G0805103 32	CAP CHIP 0805 10NF K 50V X7R	
C914	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R	
C949	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R	
C920	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R	
C937	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R	
C936	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R	
C935	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R	
C932	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R	
C930	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R	
C929	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R	
C918	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R	
C911	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R	
C922	065G0805105 37	CHIP 1UF 50V Y5V	
C931	065G0805105 37	CHIP 1UF 50V Y5V	
C945	065G0805105 37	CHIP 1UF 50V Y5V	
C933	065G0805221 31	CAP CHIP 0805 220PF J 50V NPO	
C934	065G0805224 22	CAIP CAP 0.22 UF 25V X7R	

C942	065G0805472 32	CAP CHIP 0805 4700PF K 50V X7R	
C910	065G0805560 31	MLCC 0805 56PF J 50V NP0	
ZD933	093G 39S 15 T	RLZ15B LLDS	
D931	093G 64S901 T	DIODE LS4148	
D903	093G 64S901 T	DIODE LS4148	
D939	093G 64S901 T	DIODE LS4148	
D951	093G 64S901 T	DIODE LS4148	
D938	093G 64S901 T	DIODE LS4148	
D934	093G 64S901 T	DIODE LS4148	
D932	093G 64S901 T	DIODE LS4148	
D952	093G 64S901 T	DIODE LS4148	
T951	006G 31 4	1.7MM RIVET	
CN901	006G 31501	EYELET	
IC953	056G 158 10 T	IC AS431AZTR-E1 TO-92	
IC933	056G 158 10 T	IC AS431AZTR-E1 TO-92	
R964	061G 17210252T	1K OHM 5% 1/4W	
R949	061G 17210252T	1K OHM 5% 1/4W	
R923	061G 17210352T	CFR 10KOHM +-5% 1/4W	
R957	061G 17210352T	CFR 10KOHM +-5% 1/4W	
R969	061G 17233252T	3.3K 1/4W	
R942	061G 17247152T	470OHM 5% 1/4W	
R951	061G 21030252T	3KOHM 1% 1/6W	
R929	061G 21047152T	470 OHM 1% 1/6W	
R917	061G 60247152T	470OHM +-5% 1/6W	
R965	061G152M33852T	RST MOFR 0.33 OHM +-5% 2WS	
R937	061G208M10452T	RST MOF 100K 5% 1W	
R947	061T 17256052T	RST CFR 56 OHM +-5% 1/4W	
R968	061T 17262252T	6.2KPHM 5% 1/4W	
R967	061T 20010152T	100 OHM 1% 1/4W	
R966	061T 20039252T	RST MFR 3.9KOHM +-1% 1/4W	
R926	061T152M12952T	RST MOFR 1.2OHM +-5% 2WS	
C923	065G 1K222 2T6921	CAP CER 2200PF K 1KV	
C953	065G 1K471 2T	470PF 1KV Z5P +-10%	
C916	067G215A1017KT	EC 100UF 50V 8*12MM	
C947	067G215A2214KT	EC 220UF 25V 8*12MM	
C939	067G215Y1007KT	KY50VB10M-TP5 5*11.5	
C921	067G215Y1007KT	KY50VB10M-TP5 5*11.5	
C917	067G215Y1007KT	KY50VB10M-TP5 5*11.5	
C909	067G215Y1007KT	KY50VB10M-TP5 5*11.5	
FB904	071G 55 9 T	FERRITE BEAD	
FB905	071G 55 9 T	FERRITE BEAD	
FB902	071G 55 9 T	FERRITE BEAD	
F901	084G 55 4	FUSE 382-5A 250V WICKMANN	
ZD931	093G 3916652T	MTZJ15B (13.89-14.62)	
ZD932	093G 3917052T	MTZJ27B (24.97-26.26V)	
D933	093G 5250S52T	DIODE AU02Z-V1 SANKEN	
D937	093T1080 252T	DIODE SARSO1-V1 SANKEN	
J901	095G 90 23	JUMPER	
J902	095G 90 23	JUMPER	
J903	095G 90 23	JUMPER	
J925	095G 90 23	JUMPER	

J923	095G 90 23	JUMPER	
J922	095G 90 23	JUMPER	
J921	095G 90 23	JUMPER	
J920	095G 90 23	JUMPER	
J919	095G 90 23	JUMPER	
J918	095G 90 23	JUMPER	
J917	095G 90 23	JUMPER	
J926	095G 90 23	JUMPER	
J927	095G 90 23	JUMPER	
J928	095G 90 23	JUMPER	
J929	095G 90 23	JUMPER	
J916	095G 90 23	JUMPER	
J915	095G 90 23	JUMPER	
J914	095G 90 23	JUMPER	
J911	095G 90 23	JUMPER	
J910	095G 90 23	JUMPER	
J907	095G 90 23	JUMPER	
J906	095G 90 23	JUMPER	
J905	095G 90 23	JUMPER	
	715T2804 3	POWER BOARD PCB	
	040G 457624 1B	LABEL-CPU	
	040G 45762412B	CBPC LABEL	
CN404	033G8027 24	CONN W TO B 12P*2 P*2.0 4504-2	
CN405	033T327813D	CONNECTOR	
CN601	033T3802 4B Y	CONNECTOR	
R627	061T152M50852T	0.5OHM 5% 2W	
C659	067G215S1026KV	EC CAP 1000UF 35V 12.5*25MM	
C755	067G305V470 3	105℃ 47UF +-20% 16V	
C754	067G305V470 3	105℃ 47UF +-20% 16V	
C745	067G305V470 3	105℃ 47UF +-20% 16V	
C719	067G305V470 3	105℃ 47UF +-20% 16V	
C715	067G305V470 3	105℃ 47UF +-20% 16V	
C714	067G305V470 3	105℃ 47UF +-20% 16V	
C701	067G305V470 3	105℃ 47UF +-20% 16V	
C4C3	067G305V470 3	105℃ 47UF +-20% 16V	
C238	067G305V470 3	105℃ 47UF +-20% 16V	
C424	067G305V470 3	105℃ 47UF +-20% 16V	
C726	067T215B221 4P	CAP 105C 220UF M 25V 8*12	
C720	067T215B221 4P	CAP 105C 220UF M 25V 8*12	
C712	067T215B221 4P	CAP 105C 220UF M 25V 8*12	
CN603	088G 30211K	PHONE JACK 5PIN	
CN202	088T 78 1357C	RCA JACK 1*1 W+R V/A	
CN205	088T 78 1357C	RCA JACK 1*1 W+R V/A	
CN206	088T 78 1357C	RCA JACK 1*1 W+R V/A	
CN604	088T 78 1357C	RCA JACK 1*1 W+R V/A	
CN204	088T 78 1359C	RCA JACK 2*3 G/B/R+G/B/R V/A	
CN201	088T 78 13932 C	RCA JACK + S JACK Y/B	
CN210	088T 7813A19C	RCA JACK 1*3 R/W/Y	
CN203	088T 100 11 ST	MINI DIN JACK 4P+ SWITCH 2MJ-0602-005	
CN208	088T 30252C	PHONE JACK 3.5MM 3P V/A GREEN	
CN207	088T 35315F VC	D-SUB 15PIN VERTICAL CONNECTOR	

CN605	088T 359 5 JT	FIBER-OPTIC 3P V/T JST1227	
	090T 372 2	HEAT SINK FOR U401	
X402	093G 2245B J	XTL NXS24.000AC18F-KAB6 18PF 30PPM	
X601	093T 2227S JZ	CRYSTAL 49/S-27.000MHZ	
X401	093T 2262B J	CRYSTAL NXS25.000 AC 20PF HC-49/US NSK	
TU201	094TNTAT MA 4M	TUNER NTSC+ATSC ENG36E21KF PANASONIC	
CN701	095T 82512W518	WIRE HARNESS 12P(SCN)-12P(PLUG)	2nd source
CN701	095T 82512X518	WIRE HARNESS 12P(SCN)-12P(PLUG)	
	0D1G 930 8 47 CR3	SCREW	
	0Q1G 930 8 47 CR3	SCREW	
	A15T0287301	BKT-IO-US	
C666	064G701J4740AT	0.47UF 50V	
C684	064G701J4740AT	0.47UF 50V	
C271	067G 305100 3T	10UF 16V	
C272	067G 305100 3T	10UF 16V	
C273	067G 305100 3T	10UF 16V	
C274	067G 305100 3T	10UF 16V	
C275	067G 305100 3T	10UF 16V	
C276	067G 305100 3T	10UF 16V	
C601	067G 305100 3T	10UF 16V	
C602	067G 305100 3T	10UF 16V	
C639	067G 305100 3T	10UF 16V	
C644	067G 305100 3T	10UF 16V	
C654	067G 305100 3T	10UF 16V	
C6A7	067G 305101 3T	100UF 16V 105C	
C718	067G 305101 4T	100UF +-20% 25V	
C735	067G 305101 4T	100UF +-20% 25V	
C6A1	067G 305220 3T	22UF +-20% 16V	
C6A2	067G 305220 3T	22UF +-20% 16V	
C729	067G 305220 3T	22UF +-20% 16V	
C740	067G 305220 3T	22UF +-20% 16V	
C448	067G 305220 4T	105℃ 22UF, +-20% 25V	
C730	067G 305221 2T	105C RADIALE-CAPACTOR 220UF 10V	
C757	067G 305221 2T	105C RADIALE-CAPACTOR 220UF 10V	
C741	067G 305221 2T	105C RADIALE-CAPACTOR 220UF 10V	
C748	067G 305221 2T	105C RADIALE-CAPACTOR 220UF 10V	
C775	067G 305221 3T	220UF/16V	
C6A8	067T 305101 6T	E.C 100UF M 35V 8*12	
C725	067T 305470 6T	E.C 47UF M 35V	
L604	073G 259901 T	CHOKE 22UH 10% TSL0808RA-220K1R7	
L603	073G 259901 T	CHOKE 22UH 10% TSL0808RA-220K1R7	
L602	073G 259901 T	CHOKE 22UH 10% TSL0808RA-220K1R7	
L601	073G 259901 T	CHOKE 22UH 10% TSL0808RA-220K1R7	
FL701	053T 43 1	FILTER BULLWILL	
FL702	053T 43 1	FILTER BULLWILL	
FL703	053T 43 1	FILTER BULLWILL	
U604	056G 158501	IC AS431AN-E1 SOT23	
U706	056G 379 92	IC G5627F11U SOP-8(FD)	
U705	056G 563 75	G1084-33T43UF TO-252	
U707	056G 563113	IC G1117-18T63UF 1A/1.8V SOT-223	
U703	056G 563114	IC G1117-33T63UF 1A/3.3V SOT-223	

U702	056G 563121	IC G1084-33TU3UF TO-263T	
U704	056G 563123	IC G1084-18TU3UF TO-263T	
U708	056G 563124	IC G9084TU3U TO-263T	
U709	056G 563126	IC G1117T63UF SOT-223	
U712	056G 563135	IC G952T24UF SOT-89	
U710	056G 585 11	IC AZ1117D-5.0-E1 AAC	
U406	056G 615 67	IC NT5TU32M16CG-25C 512MB BGA-84	
U201	056G 634 2 1	IC PI5V330SQEX QSOP-16 PERICOM	
U503	056G 662 10	IC RCLAMP0524P.TCT	
U502	056G 662 10	IC RCLAMP0524P.TCT	
U501	056G 662 14	IC TPD12S520DBTR TSSOP-38	
U508	056G 7SB157 F	IC NC7SB3157P6X MAA06A SC-70 FAIRCHIL	
U411	056G1125701 X	IC MCU RTD2120L-LF REALTEK	
U204	056G1133 84	AF24BC02-S1	
U402	056G1133103	IC M25P32-VMF6P 32M S0-16	
U403	056G113353A	IC M24C32-WMN6T SO-8 ST	
U601	056T 593 29 1	IC STV8318F TQFP-100	
U602	056T 593 32	IC STA335BW13TR POWERSSO36	
U603	056T 616 43	IC MAX9724AETC+ TQFN-EP-12	
U504	056T 634902	IC TMDS251PAGR TQFP-64	
U401	056T1126 32	IC ZR39770BGCF BGA-632	
U203	056T4LVT 14 P	IC 74LVT14D,118 BY SO-14 PHILIPS	
Q611	057G 417511	MMBT3904	
Q608	057G 417511	MMBT3904	
Q603	057G 417511	MMBT3904	
Q604	057G 417512	MMBT3906	
Q407	057G 417512	MMBT3906	
Q607	057G 417512	MMBT3906	
Q609	057G 759 2	RK7002FD5T116 SOT-23 BY ROHM	
Q606	057G 759 2	RK7002FD5T116 SOT-23 BY ROHM	
Q605	057G 759 2	RK7002FD5T116 SOT-23 BY ROHM	
Q610	057G 759 2	RK7002FD5T116 SOT-23 BY ROHM	
Q401	057G 763 3	AO4411 SO-8	
Q705	057G 763 3	AO4411 SO-8	
Q201	057G 765 1	2SC2412K	
Q403	057G 765 1	2SC2412K	
Q404	057G 765 1	2SC2412K	
Q701	057G 765 1	2SC2412K	
Q702	057G 765 1	2SC2412K	
Q704	057G 765 1	2SC2412K	
Q402	057G 765 1	2SC2412K	
R516	061G0603000	RST CHIP MAX 0R05 1/10W	
R517	061G0603000	RST CHIP MAX 0R05 1/10W	
R624	061G0603000	RST CHIP MAX 0R05 1/10W	
R625	061G0603000	RST CHIP MAX 0R05 1/10W	
R626	061G0603000	RST CHIP MAX 0R05 1/10W	
R642	061G0603000	RST CHIP MAX 0R05 1/10W	
R643	061G0603000	RST CHIP MAX 0R05 1/10W	
R644	061G0603000	RST CHIP MAX 0R05 1/10W	
R645	061G0603000	RST CHIP MAX 0R05 1/10W	
R4B2	061G0603000	RST CHIP MAX 0R05 1/10W	

R4A2	061G0603000	RST CHIP MAX 0R05 1/10W	
R451	061G0603000	RST CHIP MAX 0R05 1/10W	
R444	061G0603000	RST CHIP MAX 0R05 1/10W	
R438	061G0603000	RST CHIP MAX 0R05 1/10W	
R437	061G0603000	RST CHIP MAX 0R05 1/10W	
R408	061G0603000	RST CHIP MAX 0R05 1/10W	
R296	061G0603000	RST CHIP MAX 0R05 1/10W	
R208	061G0603000	RST CHIP MAX 0R05 1/10W	
R647	061G0603000	RST CHIP MAX 0R05 1/10W	
R661	061G0603000	RST CHIP MAX 0R05 1/10W	
R664	061G0603000	RST CHIP MAX 0R05 1/10W	
R670	061G0603000	RST CHIP MAX 0R05 1/10W	
FB708	061G0603000	RST CHIP MAX 0R05 1/10W	
FB709	061G0603000	RST CHIP MAX 0R05 1/10W	
FB710	061G0603000	RST CHIP MAX 0R05 1/10W	
FB711	061G0603000	RST CHIP MAX 0R05 1/10W	
FB712	061G0603000	RST CHIP MAX 0R05 1/10W	
R709	061G0603100	RST CHIPR 10 OHM +-5% 1/10W	
R452	061G0603100 0F	RST CHIPR 100 OHM +-1% 1/10W	
R717	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W	
R722	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W	
R482	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R481	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R480	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R479	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R478	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R454	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R429	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R270	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R273	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R283	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R427	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R291	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R268	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R207	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R206	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R648	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R646	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R616	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R615	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R613	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R611	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R483	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R649	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R701	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R702	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R484	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R490	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R4B5	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R415	061G0603102	RST CHIPR 1K OHM +-5% 1/10W	
R269	061G0603102	RST CHIPR 1K OHM +-5% 1/10W	

R713	061G0603102	RST CHIPR 1K OHM +-5% 1/10W	
R695	061G0603102	RST CHIPR 1K OHM +-5% 1/10W	
R528	061G0603102	RST CHIPR 1K OHM +-5% 1/10W	
R216	061G0603102	RST CHIPR 1K OHM +-5% 1/10W	
R271	061G0603102	RST CHIPR 1K OHM +-5% 1/10W	
R272	061G0603102	RST CHIPR 1K OHM +-5% 1/10W	
R2A2	061G0603102	RST CHIPR 1K OHM +-5% 1/10W	
R2A3	061G0603102	RST CHIPR 1K OHM +-5% 1/10W	
R403	061G0603102	RST CHIPR 1K OHM +-5% 1/10W	
R405	061G0603102	RST CHIPR 1K OHM +-5% 1/10W	
R406	061G0603102	RST CHIPR 1K OHM +-5% 1/10W	
R464	061G0603102	RST CHIPR 1K OHM +-5% 1/10W	
R504	061G0603102	RST CHIPR 1K OHM +-5% 1/10W	
R509	061G0603102	RST CHIPR 1K OHM +-5% 1/10W	
R519	061G0603102	RST CHIPR 1K OHM +-5% 1/10W	
R658	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R629	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R524	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R523	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R521	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R520	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R515	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R514	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R659	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R686	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R688	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R690	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R714	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R715	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R723	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
ZD230	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R469	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R204	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R205	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R424	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R471	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R472	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R473	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R474	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R475	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R476	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R477	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R486	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R487	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R488	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R489	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R492	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R493	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R505	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R246	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W	
R247	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W	

R248	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W	
R249	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W	
R250	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W	
R251	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W	
R660	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W	
R678	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W	
R679	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W	
R682	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W	
R684	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W	
R689	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W	
R694	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W	
R662	061G0603105	RST CHIPR 1M OHM +-5% 1/10W	
R683	061G0603105	RST CHIPR 1M OHM +-5% 1/10W	
R428	061G0603105	RST CHIPR 1M OHM +-5% 1/10W	
R711	061G0603150 2F	RST CHIPR 15 KOHM +-1% 1/10W	
R212	061G0603153	RST CHIPR 15KOHM +-5% 1/10W	
R214	061G0603153	RST CHIPR 15KOHM +-5% 1/10W	
R718	061G0603200 1F	RST CHIPR 2 KOHM +-1% 1/10W	
R4A5	061G0603201	RST CHIPR 200 OHM +-5% 1/10W	
R211	061G0603202	RST CHIPR 2 KOHM +-5% 1/10W	
R213	061G0603220	RST CHIPR 22 OHM +-5% 1/10W	
R672	061G0603221	RST CHIPR 220 OHM +-5% 1/10W	
R671	061G0603221	RST CHIPR 220 OHM +-5% 1/10W	
R274	061G0603222	RST CHIPR 2.2 KOHM +-5% 1/10W	
R639	061G0603222	RST CHIPR 2.2 KOHM +-5% 1/10W	
R275	061G0603222	RST CHIPR 2.2 KOHM +-5% 1/10W	
R522	061G0603222	RST CHIPR 2.2 KOHM +-5% 1/10W	
R716	061G0603223	RST CHIPR 22 KOHM +-5% 1/10W	
R726	061G0603223	RST CHIPR 22 KOHM +-5% 1/10W	
R468	061G0603223	RST CHIPR 22 KOHM +-5% 1/10W	
R669	061G0603223	RST CHIPR 22 KOHM +-5% 1/10W	
R663	061G0603223	RST CHIPR 22 KOHM +-5% 1/10W	
R693	061G0603224	RST CHIPR 220 KOHM +-5% 1/10W	
R712	061G0603300 2F	RST CHIPR 30 KOHM +-1% 1/10W	
R226	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R225	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R221	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R222	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R227	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R230	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R233	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R2D5	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R2D4	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R2D3	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R2D2	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R2D1	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R298	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R297	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R290	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R2D6	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R494	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	

R495	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R4B7	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R234	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R242	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R243	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R258	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R259	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R262	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R263	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R282	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R284	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R285	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R286	061G0603330	RST CHIPR 33 OHM +-5% 1/10W	
R449	061G0603330 1F	BST CHIPR 3.3KOHM +-1% 1/10W	
R536	061G0603331	RST CHIP 330R 1/10W 5%	
R537	061G0603331	RST CHIP 330R 1/10W 5%	
R498	061G0603332	RST CHIPR 3.3 KOHM +-5% 1/10W	
R499	061G0603332	RST CHIPR 3.3 KOHM +-5% 1/10W	
R666	061G0603333	RST CHIPR 33KOHM +-5% 1/10W	
R665	061G0603333	RST CHIPR 33KOHM +-5% 1/10W	
R257	061G0603333	RST CHIPR 33KOHM +-5% 1/10W	
R256	061G0603333	RST CHIPR 33KOHM +-5% 1/10W	
R255	061G0603333	RST CHIPR 33KOHM +-5% 1/10W	
R254	061G0603333	RST CHIPR 33KOHM +-5% 1/10W	
R253	061G0603333	RST CHIPR 33KOHM +-5% 1/10W	
R252	061G0603333	RST CHIPR 33KOHM +-5% 1/10W	
R651	061G0603339	RST CHIPR 3.3 OHM +-5% 1/10W	
R640	061G0603339	RST CHIPR 3.3 OHM +-5% 1/10W	
R525	061G0603390 0F	RST CHIPR 390 OHM +-1% 1/10W	
R510	061G0603390 0F	RST CHIPR 390 OHM +-1% 1/10W	
R512	061G0603392	RST CHIPR 3.9 KOHM +-5% 1/10W	
R421	061G0603470	RST CHIPR 47 OHM +-5% 1/10W	
R201	061G0603470	RST CHIPR 47 OHM +-5% 1/10W	
R422	061G0603470	RST CHIPR 47 OHM +-5% 1/10W	
R423	061G0603470	RST CHIPR 47 OHM +-5% 1/10W	
R436	061G0603470	RST CHIPR 47 OHM +-5% 1/10W	
R496	061G0603471	RST CHIPR 470 OHM +-5% 1/10W	
R497	061G0603471	RST CHIPR 470 OHM +-5% 1/10W	
R416	061G0603472	RST CHIPR 4.7K OHM +-5% 1/10W	
R414	061G0603472	RST CHIPR 4.7K OHM +-5% 1/10W	
R409	061G0603472	RST CHIPR 4.7K OHM +-5% 1/10W	
R404	061G0603472	RST CHIPR 4.7K OHM +-5% 1/10W	
R401	061G0603472	RST CHIPR 4.7K OHM +-5% 1/10W	
R294	061G0603472	RST CHIPR 4.7K OHM +-5% 1/10W	
R293	061G0603472	RST CHIPR 4.7K OHM +-5% 1/10W	
R210	061G0603472	RST CHIPR 4.7K OHM +-5% 1/10W	
R704	061G0603472	RST CHIPR 4.7K OHM +-5% 1/10W	
R511	061G0603472	RST CHIPR 4.7K OHM +-5% 1/10W	
R4A9	061G0603472	RST CHIPR 4.7K OHM +-5% 1/10W	
R4A8	061G0603472	RST CHIPR 4.7K OHM +-5% 1/10W	
R442	061G0603472	RST CHIPR 4.7K OHM +-5% 1/10W	

R441	061G0603472	RST CHIPR 4.7K OHM +-5% 1/10W	
R431	061G0603472	RST CHIPR 4.7K OHM +-5% 1/10W	
R430	061G0603472	RST CHIPR 4.7K OHM +-5% 1/10W	
R426	061G0603472	RST CHIPR 4.7K OHM +-5% 1/10W	
R425	061G0603472	RST CHIPR 4.7K OHM +-5% 1/10W	
R419	061G0603472	RST CHIPR 4.7K OHM +-5% 1/10W	
R418	061G0603472	RST CHIPR 4.7K OHM +-5% 1/10W	
R417	061G0603472	RST CHIPR 4.7K OHM +-5% 1/10W	
R668	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W	
R667	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W	
R2A1	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W	
R299	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W	
R265	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W	
R264	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W	
R261	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W	
R260	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W	
R245	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W	
R244	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W	
R239	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W	
R238	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W	
R675	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W	
R470	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W	
R467	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W	
R725	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W	
R724	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W	
R681	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W	
R677	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W	
R676	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W	
R459	061G0603510 0F	RST CHIPR 510OHM +-1% 1/10W	
R202	061G0603512	RST CHIPR 5.1 KOHM +-5% 1/10W	
R527	061G0603512	RST CHIPR 5.1 KOHM +-5% 1/10W	
R203	061G0603512	RST CHIPR 5.1 KOHM +-5% 1/10W	
R450	061G0603620 2F	RST CHIPR 62 KOHM +-1% 1/10W	
R508	061G0603682	RST CHIPR 6.8 KOHM +-5% 1/10W	
R680	061G0603684	RST CHIPR 680 KOHM +-5% 1/10W	
R685	061G0603684	RST CHIPR 680 KOHM +-5% 1/10W	
R448	061G0603750	RST CHIPR 75 OHM +-5% 1/10W	
R215	061G0603750	RST CHIPR 75 OHM +-5% 1/10W	
R209	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W	
R223	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W	
R224	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W	
R228	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W	
R229	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W	
R231	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W	
R232	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W	
R279	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W	
R280	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W	
R281	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W	
R2C5	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W	
R2C6	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W	
R2C7	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W	

R2C8	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W	
R2C9	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W	
R503	061G0603752	RST CHIPR 7.5 KOHM +-5% 1/10W	
R506	061G0603752	RST CHIPR 7.5 KOHM +-5% 1/10W	
R507	061G0603752	RST CHIPR 7.5 KOHM +-5% 1/10W	
R502	061G0603752	RST CHIPR 7.5 KOHM +-5% 1/10W	
R692	061G0603821	RST CHIPR 820 OHM +-5% 1/10W	
R463	061G0603821	RST CHIPR 820 OHM +-5% 1/10W	
R4B1	061G0603822	RST CHIPR 8.2 KOHM +-5% 1/10W	
R446	061G0603845 0F	RST CHIP 845R 1/10W 1%	
R447	061G0603845 0F	RST CHIP 845R 1/10W 1%	
R453	061G0603910 9F	RST CHIPR 91 OHM +-1% 1/10W	
R720	061G0805560 1F	RST CHIPR 5.6 KOHM +-1% 1/8W	
R466	061G1206000	RST CHIP MAX 0R05 1/4W	
R633	061G1206220	RST CHIPR 22 OHM +-5% 1/4W	
R653	061G1206220	RST CHIPR 22 OHM +-5% 1/4W	
R654	061G1206629	RST CHIP 6R2 1/4W 5%	
R657	061G1206629	RST CHIP 6R2 1/4W 5%	
R641	061G1206629	RST CHIP 6R2 1/4W 5%	
R636	061G1206629	RST CHIP 6R2 1/4W 5%	
R413	061T06033401FY	RST CHIPR 3.4KOHM +-1% 1/10W YAGEO	
R237	061T0603348 0F	RST CHIPR 348 OHM +-1% 1/10W	
R458	061T0603619 9F	RST CHIPR 61.9 OHM +-1% 1/10W	
R457	061T0603619 9F	RST CHIPR 61.9 OHM +-1% 1/10W	
C204	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C207	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C208	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C209	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C211	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C212	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C221	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C466	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C465	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C464	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C463	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C460	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C459	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C458	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C456	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C455	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C453	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C451	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C414	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C413	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C411	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C409	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C406	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C234	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C233	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C230	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C226	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	

C225	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C222	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C494	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C486	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C485	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C484	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C483	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C482	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C481	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C476	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C475	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C467	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C468	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C469	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C470	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C471	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C472	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C473	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C474	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C487	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C491	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C490	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C497	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C496	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C495	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C498	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C499	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C4A1	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C4A2	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C4A3	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C4A4	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C4A5	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C4C9	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C4D2	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C489	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C488	065G0402104 12	CAP CHIP 0402 0.1UF 16V X7R	
C709	065G0603101 31	CER1 0603 NP0 50V 100P PM5 R	
C280	065G0603101 31	CER1 0603 NP0 50V 100P PM5 R	
C281	065G0603101 31	CER1 0603 NP0 50V 100P PM5 R	
C282	065G0603101 31	CER1 0603 NP0 50V 100P PM5 R	
C283	065G0603101 31	CER1 0603 NP0 50V 100P PM5 R	
C298	065G0603101 31	CER1 0603 NP0 50V 100P PM5 R	
C299	065G0603101 31	CER1 0603 NP0 50V 100P PM5 R	
C696	065G0603101 31	CER1 0603 NP0 50V 100P PM5 R	
C697	065G0603101 31	CER1 0603 NP0 50V 100P PM5 R	
C6B2	065G0603101 31	CER1 0603 NP0 50V 100P PM5 R	
C6B3	065G0603101 31	CER1 0603 NP0 50V 100P PM5 R	
C708	065G0603101 31	CER1 0603 NP0 50V 100P PM5 R	
C217	065G0603102 31	CHIP 1000PF 50V NPO	
C223	065G0603102 31	CHIP 1000PF 50V NPO	
C652	065G0603102 32	1000PF +-10% 50V X7R	

C457	065G0603102 32	1000PF +-10% 50V X7R	
C454	065G0603102 32	1000PF +-10% 50V X7R	
C450	065G0603102 32	1000PF +-10% 50V X7R	
C412	065G0603102 32	1000PF +-10% 50V X7R	
C410	065G0603102 32	1000PF +-10% 50V X7R	
C408	065G0603102 32	1000PF +-10% 50V X7R	
C407	065G0603102 32	1000PF +-10% 50V X7R	
C214	065G0603102 32	1000PF +-10% 50V X7R	
C203	065G0603102 32	1000PF +-10% 50V X7R	
C653	065G0603102 32	1000PF +-10% 50V X7R	
C734	065G0603102 32	1000PF +-10% 50V X7R	
C724	065G0603102 32	1000PF +-10% 50V X7R	
C717	065G0603102 32	1000PF +-10% 50V X7R	
C699	065G0603102 32	1000PF +-10% 50V X7R	
C693	065G0603102 32	1000PF +-10% 50V X7R	
C688	065G0603102 32	1000PF +-10% 50V X7R	
C685	065G0603102 32	1000PF +-10% 50V X7R	
C683	065G0603102 32	1000PF +-10% 50V X7R	
C670	065G0603102 32	1000PF +-10% 50V X7R	
C667	065G0603102 32	1000PF +-10% 50V X7R	
C665	065G0603102 32	1000PF +-10% 50V X7R	
C657	065G0603102 32	1000PF +-10% 50V X7R	
C655	065G0603103 12	CHIP 0.01UF 16V X7R	
C621	065G0603103 12	CHIP 0.01UF 16V X7R	
C620	065G0603103 12	CHIP 0.01UF 16V X7R	
C452	065G0603103 12	CHIP 0.01UF 16V X7R	
C505	065G0603104 12	CER2 0603 X7R 16V 100N P	
C506	065G0603104 12	CER2 0603 X7R 16V 100N P	
C507	065G0603104 12	CER2 0603 X7R 16V 100N P	
C508	065G0603104 12	CER2 0603 X7R 16V 100N P	
C509	065G0603104 12	CER2 0603 X7R 16V 100N P	
C510	065G0603104 12	CER2 0603 X7R 16V 100N P	
C511	065G0603104 12	CER2 0603 X7R 16V 100N P	
C512	065G0603104 12	CER2 0603 X7R 16V 100N P	
C739	065G0603104 12	CER2 0603 X7R 16V 100N P	
C742	065G0603104 12	CER2 0603 X7R 16V 100N P	
C743	065G0603104 12	CER2 0603 X7R 16V 100N P	
C749	065G0603104 12	CER2 0603 X7R 16V 100N P	
C771	065G0603104 12	CER2 0603 X7R 16V 100N P	
C756	065G0603104 12	CER2 0603 X7R 16V 100N P	
C750	065G0603104 12	CER2 0603 X7R 16V 100N P	
C431	065G0603104 12	CER2 0603 X7R 16V 100N P	
C432	065G0603104 12	CER2 0603 X7R 16V 100N P	
C433	065G0603104 12	CER2 0603 X7R 16V 100N P	
C434	065G0603104 12	CER2 0603 X7R 16V 100N P	
C4A9	065G0603104 12	CER2 0603 X7R 16V 100N P	
C4B1	065G0603104 12	CER2 0603 X7R 16V 100N P	
C4B2	065G0603104 12	CER2 0603 X7R 16V 100N P	
C4B3	065G0603104 12	CER2 0603 X7R 16V 100N P	
C4B4	065G0603104 12	CER2 0603 X7R 16V 100N P	
C4B5	065G0603104 12	CER2 0603 X7R 16V 100N P	

C4B6	065G0603104 12	CER2 0603 X7R 16V 100N P	
C4B7	065G0603104 12	CER2 0603 X7R 16V 100N P	
C4C2	065G0603104 12	CER2 0603 X7R 16V 100N P	
C4C4	065G0603104 12	CER2 0603 X7R 16V 100N P	
C4D1	065G0603104 12	CER2 0603 X7R 16V 100N P	
C501	065G0603104 12	CER2 0603 X7R 16V 100N P	
C502	065G0603104 12	CER2 0603 X7R 16V 100N P	
C503	065G0603104 12	CER2 0603 X7R 16V 100N P	
C504	065G0603104 12	CER2 0603 X7R 16V 100N P	
C736	065G0603104 12	CER2 0603 X7R 16V 100N P	
C603	065G0603104 12	CER2 0603 X7R 16V 100N P	
C604	065G0603104 12	CER2 0603 X7R 16V 100N P	
C605	065G0603104 12	CER2 0603 X7R 16V 100N P	
C606	065G0603104 12	CER2 0603 X7R 16V 100N P	
C607	065G0603104 12	CER2 0603 X7R 16V 100N P	
C608	065G0603104 12	CER2 0603 X7R 16V 100N P	
C609	065G0603104 12	CER2 0603 X7R 16V 100N P	
C610	065G0603104 12	CER2 0603 X7R 16V 100N P	
C611	065G0603104 12	CER2 0603 X7R 16V 100N P	
C612	065G0603104 12	CER2 0603 X7R 16V 100N P	
C613	065G0603104 12	CER2 0603 X7R 16V 100N P	
C632	065G0603104 12	CER2 0603 X7R 16V 100N P	
C634	065G0603104 12	CER2 0603 X7R 16V 100N P	
C643	065G0603104 12	CER2 0603 X7R 16V 100N P	
C645	065G0603104 12	CER2 0603 X7R 16V 100N P	
C646	065G0603104 12	CER2 0603 X7R 16V 100N P	
C647	065G0603104 12	CER2 0603 X7R 16V 100N P	
C658	065G0603104 12	CER2 0603 X7R 16V 100N P	
C673	065G0603104 12	CER2 0603 X7R 16V 100N P	
C733	065G0603104 12	CER2 0603 X7R 16V 100N P	
C732	065G0603104 12	CER2 0603 X7R 16V 100N P	
C731	065G0603104 12	CER2 0603 X7R 16V 100N P	
C728	065G0603104 12	CER2 0603 X7R 16V 100N P	
C727	065G0603104 12	CER2 0603 X7R 16V 100N P	
C722	065G0603104 12	CER2 0603 X7R 16V 100N P	
C721	065G0603104 12	CER2 0603 X7R 16V 100N P	
C713	065G0603104 12	CER2 0603 X7R 16V 100N P	
C711	065G0603104 12	CER2 0603 X7R 16V 100N P	
C705	065G0603104 12	CER2 0603 X7R 16V 100N P	
C702	065G0603104 12	CER2 0603 X7R 16V 100N P	
C6B5	065G0603104 12	CER2 0603 X7R 16V 100N P	
C6B4	065G0603104 12	CER2 0603 X7R 16V 100N P	
C6B1	065G0603104 12	CER2 0603 X7R 16V 100N P	
C681	065G0603104 12	CER2 0603 X7R 16V 100N P	
C680	065G0603104 12	CER2 0603 X7R 16V 100N P	
C674	065G0603104 12	CER2 0603 X7R 16V 100N P	
C513	065G0603104 12	CER2 0603 X7R 16V 100N P	
C514	065G0603104 12	CER2 0603 X7R 16V 100N P	
C430	065G0603104 12	CER2 0603 X7R 16V 100N P	
C290	065G0603104 12	CER2 0603 X7R 16V 100N P	
C270	065G0603104 12	CER2 0603 X7R 16V 100N P	

C268	065G0603104 12	CER2 0603 X7R 16V 100N P	
C260	065G0603104 12	CER2 0603 X7R 16V 100N P	
C256	065G0603104 12	CER2 0603 X7R 16V 100N P	
C255	065G0603104 12	CER2 0603 X7R 16V 100N P	
C250	065G0603104 12	CER2 0603 X7R 16V 100N P	
C248	065G0603104 12	CER2 0603 X7R 16V 100N P	
C244	065G0603104 12	CER2 0603 X7R 16V 100N P	
C243	065G0603104 12	CER2 0603 X7R 16V 100N P	
C236	065G0603104 12	CER2 0603 X7R 16V 100N P	
C215	065G0603104 12	CER2 0603 X7R 16V 100N P	
C201	065G0603104 12	CER2 0603 X7R 16V 100N P	
C291	065G0603104 12	CER2 0603 X7R 16V 100N P	
C429	065G0603104 12	CER2 0603 X7R 16V 100N P	
C428	065G0603104 12	CER2 0603 X7R 16V 100N P	
C427	065G0603104 12	CER2 0603 X7R 16V 100N P	
C426	065G0603104 12	CER2 0603 X7R 16V 100N P	
C425	065G0603104 12	CER2 0603 X7R 16V 100N P	
C423	065G0603104 12	CER2 0603 X7R 16V 100N P	
C422	065G0603104 12	CER2 0603 X7R 16V 100N P	
C403	065G0603104 12	CER2 0603 X7R 16V 100N P	
C2B7	065G0603104 12	CER2 0603 X7R 16V 100N P	
C2B6	065G0603104 12	CER2 0603 X7R 16V 100N P	
C2B5	065G0603104 12	CER2 0603 X7R 16V 100N P	
C295	065G0603104 12	CER2 0603 X7R 16V 100N P	
C292	065G0603104 12	CER2 0603 X7R 16V 100N P	
C682	065G0603104 32	CHIP 0.1UF 50V X7R	
C679	065G0603104 32	CHIP 0.1UF 50V X7R	
C678	065G0603104 32	CHIP 0.1UF 50V X7R	
C672	065G0603104 32	CHIP 0.1UF 50V X7R	
C671	065G0603104 32	CHIP 0.1UF 50V X7R	
C668	065G0603104 32	CHIP 0.1UF 50V X7R	
C664	065G0603104 32	CHIP 0.1UF 50V X7R	
C661	065G0603104 32	CHIP 0.1UF 50V X7R	
C660	065G0603104 32	CHIP 0.1UF 50V X7R	
C461	065G0603104 32	CHIP 0.1UF 50V X7R	
C449	065G0603104 32	CHIP 0.1UF 50V X7R	
C686	065G0603104 32	CHIP 0.1UF 50V X7R	
C689	065G0603104 32	CHIP 0.1UF 50V X7R	
C690	065G0603104 32	CHIP 0.1UF 50V X7R	
C716	065G0603104 32	CHIP 0.1UF 50V X7R	
C723	065G0603104 32	CHIP 0.1UF 50V X7R	
C744	065G0603104 32	CHIP 0.1UF 50V X7R	
C746	065G0603104 32	CHIP 0.1UF 50V X7R	
C4C7	065G0603104 32	CHIP 0.1UF 50V X7R	
C4D3	065G0603105 12	CHIP 1UF 16VX7R 0603	
C4A6	065G0603105 12	CHIP 1UF 16VX7R 0603	
C492	065G0603105 12	CHIP 1UF 16VX7R 0603	
C478	065G0603105 12	CHIP 1UF 16VX7R 0603	
C477	065G0603105 12	CHIP 1UF 16VX7R 0603	
C415	065G0603105 12	CHIP 1UF 16VX7R 0603	
C235	065G0603105 12	CHIP 1UF 16VX7R 0603	

C6B6	065G0603105 17	1UF 16V Y5V	
C698	065G0603105 17	1UF 16V Y5V	
C692	065G0603105 17	1UF 16V Y5V	
C691	065G0603105 17	1UF 16V Y5V	
C615	065G0603105 17	1UF 16V Y5V	
C614	065G0603105 17	1UF 16V Y5V	
C773	065G0603105 A7	1UF,10V,Y5V, Z	
C206	065G0603220 31	CER1 0603 NP0 50V 22P PM	
C205	065G0603220 31	CER1 0603 NP0 50V 22P PM	
C695	065G0603221 32	CHIP 220PF 50V X7R	
C694	065G0603221 32	CHIP 220PF 50V X7R	
C286	065G0603224 22	CHIP 0.22UF 25V X7R	
C287	065G0603224 22	CHIP 0.22UF 25V X7R	
C288	065G0603224 22	CHIP 0.22UF 25V X7R	
C297	065G0603224 22	CHIP 0.22UF 25V X7R	
C402	065G0603224 22	CHIP 0.22UF 25V X7R	
C656	065G0603224 22	CHIP 0.22UF 25V X7R	
C758	065G0603224 22	CHIP 0.22UF 25V X7R	
C759	065G0603224 22	CHIP 0.22UF 25V X7R	
C651	065G0603270 31	27PF 50V NPO	
C650	065G0603270 31	27PF 50V NPO	
C642	065G0603270 31	27PF 50V NPO	
C641	065G0603270 31	27PF 50V NPO	
C640	065G0603270 31	27PF 50V NPO	
C636	065G0603270 31	27PF 50V NPO	
C631	065G0603270 31	27PF 50V NPO	
C630	065G0603270 31	27PF 50V NPO	
C627	065G0603270 31	27PF 50V NPO	
C626	065G0603270 31	27PF 50V NPO	
C623	065G0603270 31	27PF 50V NPO	
C622	065G0603270 31	27PF 50V NPO	
C617	065G0603270 31	27PF 50V NPO	
C616	065G0603270 31	27PF 50V NPO	
C4C1	065G0603300 31	CHIP 0603 30PF J 50V NPO	
C4B9	065G0603300 31	CHIP 0603 30PF J 50V NPO	
C405	065G0603300 31	CHIP 0603 30PF J 50V NPO	
C404	065G0603330 31	CER1 0603 NP0 50V 33P PM	
C669	065G0603331 32	CHIP 330PF 50V X7R	
C687	065G0603331 32	CHIP 330PF 50V X7R	
C6A3	065G0603331 32	CHIP 330PF 50V X7R	
C6A4	065G0603331 32	CHIP 330PF 50V X7R	
C417	065G0603392 32	CHIP 3900PF 50V X7R	
C416	065G0603393 32	CHIP 0.039UF 50V X7R	
C245	065G0603470 31	CHIP 47PF 50V NPO	
C246	065G0603470 31	CHIP 47PF 50V NPO	
C249	065G0603470 31	CHIP 47PF 50V NPO	
C251	065G0603470 31	CHIP 47PF 50V NPO	
C257	065G0603470 31	CHIP 47PF 50V NPO	
C258	065G0603470 31	CHIP 47PF 50V NPO	
C261	065G0603470 31	CHIP 47PF 50V NPO	
C278	065G0603470 32	CHIP 47PF 50V X7R	

C279	065G0603470 32	CHIP 47PF 50V X7R	
C277	065G0603470 32	CHIP 47PF 50V X7R	
C267	065G0603470 32	CHIP 47PF 50V X7R	
C266	065G0603470 32	CHIP 47PF 50V X7R	
C241	065G0603470 32	CHIP 47PF 50V X7R	
C202	065G0603470 32	CHIP 47PF 50V X7R	
C242	065G0603470 32	CHIP 47PF 50V X7R	
C265	065G0603470 32	CHIP 47PF 50V X7R	
C247	065G0603470 32	CHIP 47PF 50V X7R	
C6A6	065G0603471 32	CHIP 470PF 50V X7R	
C6A5	065G0603471 32	CHIP 470PF 50V X7R	
C676	065G0603472 32	CHIP 4700PF 50V X7R	
C421	065G0603474 12	MLCC 0603 0.47UF K 16V X7R	
C220	065G0603820 31	0603 82PF +-5%, 50V NPO	
C662	065G0805105 37	CHIP 1UF 50V Y5V	
C663	065G0805105 37	CHIP 1UF 50V Y5V	
C418	065G0805475A2K M	MLCC 0805 CAP 4.7UF 10V X7R	
C420	065G0805475A2K M	MLCC 0805 CAP 4.7UF 10V X7R	
C710	065G0805475A2K M	MLCC 0805 CAP 4.7UF 10V X7R	
C269	065G0805475A2K M	MLCC 0805 CAP 4.7UF 10V X7R	
C419	065G0805475A2K M	MLCC 0805 CAP 4.7UF 10V X7R	
C4D4	065G0805475A2K M	MLCC 0805 CAP 4.7UF 10V X7R	
C770	065G0805475A2K M	MLCC 0805 CAP 4.7UF 10V X7R	
C703	065G0805475A2K M	MLCC 0805 CAP 4.7UF 10V X7R	
C210	065G0805475A2K M	MLCC 0805 CAP 4.7UF 10V X7R	
C231	065G0805475A2K M	MLCC 0805 CAP 4.7UF 10V X7R	
C774	065G0805475A2K M	MLCC 0805 CAP 4.7UF 10V X7R	
C772	065G0805475A2K M	MLCC 0805 CAP 4.7UF 10V X7R	
C633	065G1206106 17	MLCC 10 UF Z 16V Y5V	
C635	065G1206106 17	MLCC 10 UF Z 16V Y5V	
C479	065G120610612K 3	CHIP 10UF 16V X7R 10%	
C480	065G120610612K 3	CHIP 10UF 16V X7R 10%	
C493	065G120610612K 3	CHIP 10UF 16V X7R 10%	
C4A7	065G120610612K 3	CHIP 10UF 16V X7R 10%	
C4A8	065G120610612K 3	CHIP 10UF 16V X7R 10%	
C738	065G1206226 A7	CHIP 1206 22UF Z 10V Y5V	
C289	065T0603102 21	CHIP 1000PF 25V NPO	
C293	065T0603102 21	CHIP 1000PF 25V NPO	
C737	065T0603102 21	CHIP 1000PF 25V NPO	
C462	065T0603105 25	CHIP 1UF 25V X5R	
C618	065T0603225A5K Y	CAP CHIP 0603 2.2UF K 10V X5R	
C619	065T0603225A5K Y	CAP CHIP 0603 2.2UF K 10V X5R	
C624	065T0603225A5K Y	CAP CHIP 0603 2.2UF K 10V X5R	
C625	065T0603225A5K Y	CAP CHIP 0603 2.2UF K 10V X5R	
C628	065T0603225A5K Y	CAP CHIP 0603 2.2UF K 10V X5R	
C629	065T0603225A5K Y	CAP CHIP 0603 2.2UF K 10V X5R	
C637	065T0603225A5K Y	CAP CHIP 0603 2.2UF K 10V X5R	
C638	065T0603225A5K Y	CAP CHIP 0603 2.2UF K 10V X5R	
C648	065T0603225A5K Y	CAP CHIP 0603 2.2UF K 10V X5R	
C649	065T0603225A5K Y	CAP CHIP 0603 2.2UF K 10V X5R	
C677	065T0603681 21	CHIP 680PF 25V NPO	

FB611	071G 56G301 EA	BEAD 300 OHM	
FB610	071G 56G301 EA	BEAD 300 OHM	
FB413	071G 56G301 EA	BEAD 300 OHM	
FB412	071G 56G301 EA	BEAD 300 OHM	
FB411	071G 56G301 EA	BEAD 300 OHM	
FB410	071G 56G301 EA	BEAD 300 OHM	
FB409	071G 56G301 EA	BEAD 300 OHM	
FB408	071G 56G301 EA	BEAD 300 OHM	
FB407	071G 56G301 EA	BEAD 300 OHM	
FB404	071G 56G301 EA	BEAD 300 OHM	
FB403	071G 56G301 EA	BEAD 300 OHM	
FB402	071G 56G301 EA	BEAD 300 OHM	
FB401	071G 56G301 EA	BEAD 300 OHM	
FB608	071G 56V301 B	CHIP BEAD FCM2012VF-301T07 BULLWILL	
FB606	071G 56Z601	CHIP BEAD 600 OHM 0805	
FB607	071G 56Z601	CHIP BEAD 600 OHM 0805	
FB707	071G 57G301 EA	CHIP BEAD	
FB706	071G 57G301 EA	CHIP BEAD	
FB704	071G 57G301 EA	CHIP BEAD	
FB703	071G 57G301 EA	CHIP BEAD	
FB406	071G 57G301 EA	CHIP BEAD	
R605	071G 59B121	TB160808B	
R604	071G 59B121	TB160808B	
R603	071G 59B121	TB160808B	
R602	071G 59B121	TB160808B	
FB702	071G 59B121	TB160808B	
FB609	071G 59B121	TB160808B	
FB414	071G 59B121	TB160808B	
FB219	071G 59B121	TB160808B	
FB202	071G 59B121	TB160808B	
FB204	071G 59B121	TB160808B	
FB205	071G 59B121	TB160808B	
FB207	071G 59B121	TB160808B	
FB208	071G 59B121	TB160808B	
FB211	071G 59B121	TB160808B	
FB212	071G 59B121	TB160808B	
FB213	071G 59B121	TB160808B	
FB203	071G 59B601 EA	CHIP BEAD 600 OHM	
FB206	071G 59B601 EA	CHIP BEAD 600 OHM	
FB234	071G 59B601 EA	CHIP BEAD 600 OHM	
FB235	071G 59B601 EA	CHIP BEAD 600 OHM	
FB236	071G 59B601 EA	CHIP BEAD 600 OHM	
FB216	071G 59C300	CHIP BEAD	
FB217	071G 59C300	CHIP BEAD	
FB218	071G 59C300	CHIP BEAD	
FB220	071G 59C300	CHIP BEAD	
FB221	071G 59C300	CHIP BEAD	
FB222	071G 59C300	CHIP BEAD	
FB229	071G 59C800	1HIP BEAD	
FB228	071G 59C800	1HIP BEAD	
FB227	071G 59C800	1HIP BEAD	

FB231	071G 59G301	CHIP BEAD 300OHM	
FB230	071G 59G301	CHIP BEAD 300OHM	
FB226	071G 59G301	CHIP BEAD 300OHM	
FB225	071G 59G301	CHIP BEAD 300OHM	
FB224	071G 59G301	CHIP BEAD 300OHM	
FB223	071G 59G301	CHIP BEAD 300OHM	
FB215	071G 59G301	CHIP BEAD 300OHM	
FB214	071G 59G301	CHIP BEAD 300OHM	
FB210	071G 59G301	CHIP BEAD 300OHM	
FB209	071G 59G301	CHIP BEAD 300OHM	
FB601	071G2012221 2Y	CHIP BEAD 0805 220OHM +-25% 2A	
FB602	071G2012221 2Y	CHIP BEAD 0805 220OHM +-25% 2A	
FB603	071G2012221 2Y	CHIP BEAD 0805 220OHM +-25% 2A	
FB604	071G2012221 2Y	CHIP BEAD 0805 220OHM +-25% 2A	
FB605	071G2012221 2Y	CHIP BEAD 0805 220OHM +-25% 2A	
L605	071T160833102Y	CHIP BEAD 0603 330OHM	
L606	071T160833102Y	CHIP BEAD 0603 330OHM	
L203	073G 57228	CHIP INDUCTOR 0.22UH 0805	
L201	073G 57228	CHIP INDUCTOR 0.22UH 0805	
L202	073G 8515810K	CHIP INDUCTOR 0.15UH 10% 0805	
L702	073G253S 46 K	SMD CHOKE BS-0504CDSU-4R7MT 4.7UH	
F402	084G 52 15 B GP	CHIP FUSE 1.0A 63V	
CN503	088G 340 19 AV	HDMI HEADER 19P +SCREW HOLE	
CN503	088G 340 19 AV	HDMI HEADER 19P +SCREW HOLE	
CN502	088T 340 21 VN	HDMI HEADER 21P V/A	
CN501	088T 340 21 VN	HDMI HEADER 21P V/A	
ZD232	093G 60230	BAT54C(L43)	
ZD229	093G 64 37 N	VPORT0603100KV05	
ZD231	093G 64 37 N	VPORT0603100KV05	
ZD233	093G 64 37 N	VPORT0603100KV05	
ZD234	093G 64 37 N	VPORT0603100KV05	
ZD220	093G 64 37 N	VPORT0603100KV05	
ZD405	093G 64 37 N	VPORT0603100KV05	
ZD406	093G 64 37 N	VPORT0603100KV05	
ZD407	093G 64 37 N	VPORT0603100KV05	
ZD206	093G 64 37 N	VPORT0603100KV05	
ZD504	093G 64 37 N	VPORT0603100KV05	
ZD505	093G 64 37 N	VPORT0603100KV05	
ZD506	093G 64 37 N	VPORT0603100KV05	
ZD223	093G 64 37 N	VPORT0603100KV05	
ZD237	093G 64 37 N	VPORT0603100KV05	
ZD238	093G 64 37 N	VPORT0603100KV05	
ZD239	093G 64 37 N	VPORT0603100KV05	
ZD240	093G 64 37 N	VPORT0603100KV05	
ZD241	093G 64 37 N	VPORT0603100KV05	
ZD242	093G 64 37 N	VPORT0603100KV05	
ZD243	093G 64 37 N	VPORT0603100KV05	
ZD507	093G 64 37 N	VPORT0603100KV05	
ZD601	093G 64 37 N	VPORT0603100KV05	
ZD602	093G 64 37 N	VPORT0603100KV05	
ZD603	093G 64 37 N	VPORT0603100KV05	

ZD604	093G 64 37 N	VPORT0603100KV05	
ZD605	093G 64 37 N	VPORT0603100KV05	
ZD224	093G 64 37 N	VPORT0603100KV05	
ZD225	093G 64 37 N	VPORT0603100KV05	
ZD226	093G 64 37 N	VPORT0603100KV05	
ZD227	093G 64 37 N	VPORT0603100KV05	
ZD228	093G 64 37 N	VPORT0603100KV05	
ZD503	093G 64 37 N	VPORT0603100KV05	
ZD208	093G 64 37 N	VPORT0603100KV05	
ZD210	093G 64 37 N	VPORT0603100KV05	
ZD221	093G 64 37 N	VPORT0603100KV05	
ZD222	093G 64 37 N	VPORT0603100KV05	
ZD201	093G 64 37 N	VPORT0603100KV05	
ZD202	093G 64 37 N	VPORT0603100KV05	
ZD203	093G 64 37 N	VPORT0603100KV05	
ZD204	093G 64 37 N	VPORT0603100KV05	
ZD205	093G 64 37 N	VPORT0603100KV05	
ZD403	093G 64 37 N	VPORT0603100KV05	
ZD404	093G 64 37 N	VPORT0603100KV05	
ZD212	093G 64 37 N	VPORT0603100KV05	
ZD213	093G 64 37 N	VPORT0603100KV05	
ZD214	093G 64 37 N	VPORT0603100KV05	
ZD215	093G 64 37 N	VPORT0603100KV05	
ZD216	093G 64 37 N	VPORT0603100KV05	
ZD217	093G 64 37 N	VPORT0603100KV05	
ZD218	093G 64 37 N	VPORT0603100KV05	
ZD219	093G 64 37 N	VPORT0603100KV05	
ZD413	093G 64 37 N	VPORT0603100KV05	
ZD501	093G 64 37 N	VPORT0603100KV05	
ZD502	093G 64 37 N	VPORT0603100KV05	
ZD207	093G 64 37 N	VPORT0603100KV05	
ZD209	093G 64 37 N	VPORT0603100KV05	
ZD211	093G 64 37 N	VPORT0603100KV05	
ZD412	093G 64 37 N	VPORT0603100KV05	
ZD411	093G 64 37 N	VPORT0603100KV05	
ZD410	093G 64 37 N	VPORT0603100KV05	
ZD409	093G 64 37 N	VPORT0603100KV05	
ZD408	093G 64 37 N	VPORT0603100KV05	
D606	093G 6432P	LL4148	
D605	093G 6432P	LL4148	
D604	093G 6432P	LL4148	
D603	093G 6432P	LL4148	
D403	093G 6432P	LL4148	
D401	093G 6432P	LL4148	
ZD704	093G3004 3	SM340A	
ZD702	093G3004 3	SM340A	
ZD701	093G3004 3	SM340A	
	715T2830 2	MAIN BOARD PCB	
	Q36T 600 35 18 GP	NONWOVEN FABRIC	
	Q40T000262430A	IO LABEL	
	Q85T0084101	SHIELDING COVER	

	Q85T0085101	SHIELDING BTM	
	IRPF8QAD	IR BOARD	
U01	056T 627 33	IR 37.9KHZ KSM-603LM2E	
CN01	033G8032 5F HR	CONNECTOR	
R01	061G0603153	RST CHIPR 15KOHM +-5% 1/10W	
C01	065G0603104 32	CHIP 0.1UF 50V X7R	
LED01	081G 14 24 EL	CHIP LED BLUE/DARK RED	
	715T3167 1	IR BOARD PCB	
	Q05T6053 2 GP	WASHER	
	Q11T5027 1	LEAD-CLAMPER	
	Q36T 600 18120	LOTH_GRIDDING	
	Q36T 600 36 9 GP	NONWOVEN FABRIC	
	Q36T 600 37 12 GP	NONWOVEN FABRIC	
	Q36T 600 37 17 GP	NONWOVEN FABRIC	
	Q40G000262483A	SIDE LABEL	
	Q40T0001999 1A	CARTON LABEL	
	Q41T7800999 1A	QSG	
	Q44T3121510522	SPONGE	
	Q44TJ019 5 1B	U TYPE SHEET FOR BASE	
	Q44TJ019101	CUSHION EPS 32	
	Q44TJ019201	CUSHION EPS 32	
	Q44TJ019301	CUSHION EPS 32	
	Q44TJ019401	CUSHION EPS 32	
	Q44TJ019999 1A	32" TV CARTON	
	Q44TJ019BLO001	PAPER SHEET	
	Q44TJ020101	EPE TOP FOR CMO PANEL	
	Q44TJ020201	EPE BOTTOM FOR CMO PANEL	
	Q45G 77 5	PE PACKING	
	Q45T 99609 61	EPE COVER FOR MONITOR	
	Q45T 99609 79	EPE COVER FOR BASE	
	Q50T 500523	CABLE TIE	
	Q51T6001 3	DESICCANT	
	0Q1T 940 14 47 CR3	SCREW	
	Q41G7830999 2A	WARRANTY BOOKLET	
	Q41T2601999 1C	MANUAL	
	Q41T7800999 2A	WARRANTY CARD	
	Q45G 76 28 V3 R	PE BAG	
	Q45G 76 28NV2 R	PE BAG FOR CLAMP	
	040G 58162435A	P/N LABEL FOR MANUAL PE BAG	
	Q40T 320999 1A	RATING LABEL	
	012G6066 1	RUBBER FOOT	